

# Craig E L Stark

## List of Publications by Year in descending order

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74  
papers

10,709  
citations

70961

41  
h-index

79541

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. <i>Journal of the International Neuropsychological Society</i> , 2022, 28, 550-562.      | 1.2 | 9         |
| 2  | 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.                           | 2.1 | 9         |
| 3  | Adaptive design optimization for a Mnemonic Similarity Task. <i>Journal of Mathematical Psychology</i> , 2022, 108, 102665.   | 1.0 | 3         |
| 4  | Using Advanced Diffusion-Weighted Imaging to Predict Cell Counts in Gray Matter: Potential and Pitfalls. <i>Frontiers in Neuroscience</i> , 2022, 16, .   | 1.4 | 4         |
| 5  | Hippocampal subfield volumetry from structural isotropic 1.5mm <sup>3</sup> MRI scans: A note of caution. <i>Human Brain Mapping</i> , 2021, 42, 539-550.   | 1.9 | 84        |
| 6  | Age-related alterations in functional connectivity along the longitudinal axis of the hippocampus and its subfields. <i>Hippocampus</i> , 2021, 31, 11-27.  | 0.9 | 26        |
| 7  | Remembering facts versus feelings in the wake of political events. <i>Cognition and Emotion</i> , 2021, 35, 1-20.   | 1.2 | 8         |
| 8  | Tacrolimus Protects against Age-Associated Microstructural Changes in the Beagle Brain. <i>Journal of Neuroscience</i> , 2021, 41, 5124-5133.   | 1.7 | 13        |
| 9  | Playing Minecraft Improves Hippocampal-Associated Memory for Details in Middle Aged Adults. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 685286.   | 0.9 | 7         |
| 10 | Predicted and remembered emotion: tomorrow's vividness trumps yesterday's accuracy. <i>Memory</i> , 2020, 28, 128-140.  | 0.9 | 7         |
| 11 | 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. | 1.5 | 22        |
| 12 | Enriching Hippocampal Memory Function in Older Adults Through Real-World Exploration. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 158.   | 1.7 | 12        |
| 13 | Neural substrates of mnemonic discrimination: A whole-brain fMRI investigation. <i>Brain and Behavior</i> , 2020, 10, e01560.   | 1.0 | 11        |
| 14 | Microstructural Alterations in Hippocampal Subfields Mediate Age-Related Memory Decline in Humans. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 94.   | 1.7 | 32        |
| 15 | Enriching hippocampal memory function in older adults through video games. <i>Behavioural Brain Research</i> , 2020, 390, 112667.   | 1.2 | 17        |
| 16 | Mnemonic Similarity Task: A Tool for Assessing Hippocampal Integrity. <i>Trends in Cognitive Sciences</i> , 2019, 23, 938-951.  | 4.0 | 147       |
| 17 | Improving Hippocampal Memory Through the Experience of a Rich Minecraft Environment. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 57.  | 1.0 | 31        |
| 18 | Excitatory/Inhibitory Imbalance in Anterior Lateral Occipital Complex Can Impair Hippocampal Mnemonic Discrimination. <i>Neuron</i> , 2019, 101, 360-362.   | 3.8 | 0         |

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|----|--|-----|-----------|
| 19 | Response bias, recollection, and familiarity in individuals with Highly Superior Autobiographical Memory (HSAM). <i>Memory</i> , 2019, 27, 739-749.  | 0.9 | 4         |
| 20 | 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. | 2.4 | 29        |
| 21 | Whatâ€™s in a context? Cautions, limitations, and potential paths forward. <i>Neuroscience Letters</i> , 2018, 680, 77-87.   | 1.0 | 23        |
| 22 | Modulation of associative learning in the hippocampal-striatal circuit based on item-set similarity. <i>Cortex</i> , 2018, 109, 60-73.   | 1.1 | 7         |
| 23 | A cognitive assessment of highly superior autobiographical memory. <i>Memory</i> , 2017, 25, 276-288.  | 0.9 | 32        |
| 24 | Retrieval of high-fidelity memory arises from distributed cortical networks. <i>NeuroImage</i> , 2017, 149, 178-189.   | 2.1 | 18        |
| 25 | The influence of low-level stimulus features on the representation of contexts, items, and their mnemonic associations. <i>NeuroImage</i> , 2017, 155, 513-529.  | 2.1 | 18        |
| 26 | Age-related impairment on a forced-choice version of the Mnemonic Similarity Task.. <i>Behavioral Neuroscience</i> , 2017, 131, 55-67.   | 0.6 | 27        |
| 27 | 3T hippocampal glutamate-glutamine complex reflects verbal memory decline in aging. <i>Neurobiology of Aging</i> , 2017, 54, 103-111.  | 1.5 | 18        |
| 28 | Age-related deficits in the mnemonic similarity task for objects and scenes. <i>Behavioural Brain Research</i> , 2017, 333, 109-117.   | 1.2 | 98        |
| 29 | 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.  | 0.9 | 130       |
| 30 | 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.   | 1.0 | 60        |
| 31 | Memory for sequences of events impaired in typical aging. <i>Learning and Memory</i> , 2015, 22, 138-148.  | 0.5 | 16        |
| 32 | Virtual Environmental Enrichment through Video Games Improves Hippocampal-Associated Memory. <i>Journal of Neuroscience</i> , 2015, 35, 16116-16125.   | 1.7 | 123       |
| 33 | 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.   | 0.9 | 42        |
| 34 | Limbic Tract Integrity Contributes to Pattern Separation Performance Across the Lifespan. <i>Cerebral Cortex</i> , 2015, 25, 2988-2999.  | 1.6 | 81        |
| 35 | Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol. <i>NeuroImage</i> , 2015, 111, 526-541.                                      | 2.1 | 284       |
| 36 | Stability of age-related deficits in the mnemonic similarity task across task variations.. <i>Behavioral Neuroscience</i> , 2015, 129, 257-268.  | 0.6 | 141       |

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|----|--|-----|-----------|
| 37 | Highly Superior Autobiographical Memory: Quality and Quantity of Retention Over Time. <i>Frontiers in Psychology</i> , 2015, 6, 2017.  | 1.1 | 35        |
| 38 | A Sequence of events model of episodic memory shows parallels in rats and humans. <i>Hippocampus</i> , 2014, 24, 1178-1188.  | 0.9 | 52        |
| 39 | Multivariate pattern analysis of the human medial temporal lobe revealed representationally categorical cortex and representationally agnostic hippocampus. <i>Hippocampus</i> , 2014, 24, 1394-1403.          | 0.9 | 42        |
| 40 | Contributions of human hippocampal subfields to spatial and temporal pattern separation. <i>Hippocampus</i> , 2014, 24, 293-302.   | 0.9 | 66        |
| 41 | Loss of pattern separation performance in schizophrenia suggests dentate gyrus dysfunction. <i>Schizophrenia Research</i> , 2014, 159, 193-197.  | 1.1 | 97        |
| 42 | The neuroscience of memory: implications for the courtroom. <i>Nature Reviews Neuroscience</i> , 2013, 14, 649-658.  | 4.9 | 104       |
| 43 | 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.                        | 3.3 | 130       |
| 44 | A task to assess behavioral pattern separation (BPS) in humans: Data from healthy aging and mild cognitive impairment. <i>Neuropsychologia</i> , 2013, 51, 2442-2449.  | 0.7 | 414       |
| 45 | Pattern separation deficits following damage to the hippocampus. <i>Neuropsychologia</i> , 2012, 50, 2408-2414.  | 0.7 | 91        |
| 46 | It is time to fill in the gaps left by simple dissociations. <i>Cognitive Neuroscience</i> , 2012, 3, 215-216.   | 0.6 | 1         |
| 47 | 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.  | 3.8 | 22        |
| 48 | Norepinephrine-mediated emotional arousal facilitates subsequent pattern separation. <i>Neurobiology of Learning and Memory</i> , 2012, 97, 465-469.   | 1.0 | 91        |
| 49 | Behavioral and neuroanatomical investigation of Highly Superior Autobiographical Memory (HSAM). <i>Neurobiology of Learning and Memory</i> , 2012, 98, 78-92.  | 1.0 | 168       |
| 50 | Functional MRI of the amygdala and bed nucleus of the stria terminalis during conditions of uncertainty in generalized anxiety disorder. <i>Journal of Psychiatric Research</i> , 2012, 46, 1045-1052.         | 1.5 | 131       |
| 51 | 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.                            | 0.9 | 31        |
| 52 | Pattern separation deficits associated with increased hippocampal CA3 and dentate gyrus activity in nondemented older adults. <i>Hippocampus</i> , 2011, 21, 968-979.  | 0.9 | 444       |
| 53 | Pattern separation in the hippocampus. <i>Trends in Neurosciences</i> , 2011, 34, 515-525.   | 4.2 | 1,122     |
| 54 | 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. | 0.5 | 59        |

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|----|---|-----|-----------|
| 55 | Striatal and Medial Temporal Lobe Functional Interactions during Visuomotor Associative Learning. <i>Cerebral Cortex</i> , 2011, 21, 647-658.   | 1.6 | 46        |
| 56 | Imaging the reconstruction of true and false memories using sensory reactivation and the misinformation paradigms. <i>Learning and Memory</i> , 2010, 17, 485-488.  | 0.5 | 81        |
| 57 | Ultrahigh-resolution microstructural diffusion tensor imaging reveals perforant path degradation in aged humans in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12687-12691.   | 3.3 | 212       |
| 58 | High-resolution structural and functional MRI of hippocampal CA3 and dentate gyrus in patients with amnesic Mild Cognitive Impairment. <i>NeuroImage</i> , 2010, 51, 1242-1252.   | 2.1 | 436       |
| 59 | A quantitative evaluation of cross-participant registration techniques for MRI studies of the medial temporal lobe. <i>NeuroImage</i> , 2009, 44, 319-327.  | 2.1 | 225       |
| 60 | Multiple signals of recognition memory in the medial temporal lobe. <i>Hippocampus</i> , 2008, 18, 945-954.   | 0.9 | 73        |
| 61 | Pattern Separation in the Human Hippocampal CA3 and Dentate Gyrus. <i>Science</i> , 2008, 319, 1640-1642.   | 6.0 | 857       |
| 62 | Overcoming interference: An fMRI investigation of pattern separation in the medial temporal lobe. <i>Learning and Memory</i> , 2007, 14, 625-633.   | 0.5 | 266       |
| 63 | High-resolution fMRI investigation of the medial temporal lobe. <i>Human Brain Mapping</i> , 2007, 28, 959-966.   | 1.9 | 110       |
| 64 | Increasing the power of functional maps of the medial temporal lobe by using large deformation diffeomorphic metric mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9685-9690. | 3.3 | 164       |
| 65 | Functional Magnetic Resonance Imaging Activity during the Gradual Acquisition and Expression of Paired-Associate Memory. <i>Journal of Neuroscience</i> , 2005, 25, 5720-5729.  | 1.7 | 124       |
| 66 | Neural activity during encoding predicts false memories created by misinformation. <i>Learning and Memory</i> , 2005, 12, 3-11.   | 0.5 | 114       |
| 67 | Medial temporal lobe activation during encoding and retrieval of novel face-name pairs. <i>Hippocampus</i> , 2004, 14, 919-930.   | 0.9 | 284       |
| 68 | THE MEDIAL TEMPORAL LOBE. <i>Annual Review of Neuroscience</i> , 2004, 27, 279-306.   | 5.0 | 2,288     |
| 69 | Neural processing associated with true and false memory retrieval. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2003, 3, 323-334.  | 1.0 | 77        |
| 70 | Hippocampal damage equally impairs memory for single items and memory for conjunctions. <i>Hippocampus</i> , 2003, 13, 281-292.   | 0.9 | 103       |
| 71 | Making Memories without Trying: Medial Temporal Lobe Activity Associated with Incidental Memory Formation during Recognition. <i>Journal of Neuroscience</i> , 2003, 23, 6748-6753.   | 1.7 | 203       |
| 72 | 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.   | 0.5 | 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. | 0.6 | 77        |
| 74 | Functional Magnetic Resonance Imaging (fMRI) Activity in the Hippocampal Region during Recognition Memory. Journal of Neuroscience, 2000, 20, 7776-7781.            | 1.7 | 147       |