

Michael A Yassa

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

8,785
citations

81900

39
h-index

49909

87
g-index

129
all docs

129
docs citations

129
times ranked

8831
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic resonance imaging biomarkers for cognitive decline in Down syndrome. , 2022, , 149-172.		2
2	Latent anxiety in clinical depression is associated with worse recognition of emotional stimuli. Journal of Affective Disorders, 2022, 301, 368-368.	4.1	0
3	Proximal CA1 20â€“40 Hz power dynamics reflect trial-specific information processing supporting nonspatial sequence memory. ELife, 2022, 11, .	6.0	5
4	Jointâ€“label fusion brain atlases for dementia research in Down syndrome. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, .	2.4	1
5	Hippocampal dentate gyrus integrity revealed with ultrahigh resolution diffusion imaging predicts memory performance in older adults. Hippocampus, 2022, 32, 627-638.	1.9	3
6	Increased dynamic flexibility in the medial temporal lobe network following an exercise intervention mediates generalization of prior learning. Neurobiology of Learning and Memory, 2021, 177, 107340.	1.9	10
7	Integrity of the uncinat fasciculus is associated with emotional pattern separation-related fMRI signals in the hippocampal dentate and CA3. Neurobiology of Learning and Memory, 2021, 177, 107359.	1.9	9
8	The ANTsX ecosystem for quantitative biological and medical imaging. Scientific Reports, 2021, 11, 9068.	3.3	81
9	APOE moderates the effect of hippocampal blood flow on memory pattern separation in clinically normal older adults. Hippocampus, 2021, 31, 845-857.	1.9	3
10	Functional Connectivity of the Human Paraventricular Thalamic Nucleus: Insights From High Field Functional MRI. Frontiers in Integrative Neuroscience, 2021, 15, 662293.	2.1	11
11	Elevated Activity of the Sympathetic Nervous System Is Related to Diminished Practice Effects in Memory: A Pilot Study. Journal of Alzheimer's Disease, 2021, 80, 1675-1685.	2.6	5
12	Formalizing the Relationship Between Early Life Adversity and Addiction Vulnerability: The Role of Memory Sampling. Biological Psychiatry, 2021, 89, S189.	1.3	1
13	Pattern Separation in the Human Hippocampus: Response to Quiroga. Trends in Cognitive Sciences, 2021, 25, 423-424.	7.8	11
14	Aberrant Maturation of the Uncinate Fasciculus Follows Exposure to Unpredictable Patterns of Maternal Signals. Journal of Neuroscience, 2021, 41, 1242-1250.	3.6	31
15	Mnemonic Discrimination Deficits in First-Episode Psychosis and a Ketamine Model Suggest Dentate Gyrus Pathology Linked to NMDA Receptor Hypofunction. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 1185-1192.	1.5	1
16	Early life adversity in male mice sculpts reward circuits. Neurobiology of Stress, 2021, 15, 100409.	4.0	18
17	Benefit of human moderate running boosting mood and executive function coinciding with bilateral prefrontal activation. Scientific Reports, 2021, 11, 22657.	3.3	20
18	Monthly At-Home Computerized Cognitive Testing to Detect Diminished Practice Effects in Preclinical Alzheimer's Disease. Frontiers in Aging Neuroscience, 2021, 13, 800126.	3.4	19

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19	Instructor facilitation mediates students'™ negative perceptions of active learning instruction. PLoS ONE, 2021, 16, e0261706.	2.5	5
20	Pattern Separation and Source Memory Engage Distinct Hippocampal and Neocortical Regions during Retrieval. Journal of Neuroscience, 2020, 40, 843-851.	3.6	37
21	Brain amyloid and the transition to dementia in Down syndrome. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12126.	2.4	4
22	Alzheimer-Related Cerebrovascular Disease in Down Syndrome. Annals of Neurology, 2020, 88, 1165-1177.	5.3	34
23	Anterolateral entorhinal cortex thickness as a new biomarker for early detection of Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12068.	2.4	16
24	Anterolateral entorhinal cortical thinning as a biomarker for Alzheimer's™ disease in Down syndrome. Alzheimer's and Dementia, 2020, 16, e046536.	0.8	0
25	Hippocampal volume loss is associated with PET amyloid deposition in nondemented elderly individuals. Alzheimer's and Dementia, 2020, 16, e046563.	0.8	0
26	Anterolateral entorhinal cortical thinning as a biomarker for Alzheimer's™ disease in Down syndrome. Alzheimer's and Dementia, 2020, 16, e046689.	0.8	0
27	Associations between pattern separation and hippocampal subfield structure and function vary along the lifespan: A 7T imaging study. Scientific Reports, 2020, 10, 7572.	3.3	21
28	Longitudinal Mapping of Cortical Thickness Measurements: An Alzheimer's™ Disease Neuroimaging Initiative-Based Evaluation Study. Journal of Alzheimer's Disease, 2019, 71, 165-183.	2.6	31
29	Neuroimaging Biomarkers for Alzheimer's™ Disease. Molecular Neurodegeneration, 2019, 14, 21.	10.8	161
30	A randomized trial of an NMDA receptor antagonist for reversing corticosteroid effects on the human hippocampus. Neuropsychopharmacology, 2019, 44, 2263-2267.	5.4	10
31	Multiplexing of Theta and Alpha Rhythms in the Amygdala-Hippocampal Circuit Supports Pattern Separation of Emotional Information. Neuron, 2019, 102, 887-898.e5.	8.1	77
32	The Relationship Between Cumulative Exogenous Corticosteroid Exposure and Volumes of Hippocampal Subfields and Surrounding Structures. Journal of Clinical Psychopharmacology, 2019, 39, 653-657.	1.4	9
33	A Memory Computational Basis for the Other-Race Effect. Scientific Reports, 2019, 9, 19399.	3.3	11
34	A randomized, double-blind, placebo-controlled trial of lamotrigine for prescription corticosteroid effects on the human hippocampus. European Neuropsychopharmacology, 2019, 29, 376-383.	0.7	5
35	Precise temporal memories are supported by the lateral entorhinal cortex in humans. Nature Neuroscience, 2019, 22, 284-288.	14.8	117
36	ABCA7 risk variant in healthy older African Americans is associated with a functionally isolated entorhinal cortex mediating deficient generalization of prior discrimination training. Hippocampus, 2019, 29, 527-538.	1.9	21

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37	Functional Imbalance of Anterolateral Entorhinal Cortex and Hippocampal Dentate/CA3 Underlies Age-Related Object Pattern Separation Deficits. <i>Neuron</i> , 2018, 97, 1187-1198.e4.	8.1	156
38	Brain Rhythms: Higher-Frequency Theta Oscillations Make Sense in Moving Humans. <i>Current Biology</i> , 2018, 28, R70-R72.	3.9	14
39	Integrating new findings and examining clinical applications of pattern separation. <i>Nature Neuroscience</i> , 2018, 21, 163-173.	14.8	135
40	Mnemonic Discrimination Deficits in First-Episode Psychosis and a Ketamine Model Suggests Dentate Gyrus Pathology Linked to N-Methyl-D-Aspartate Receptor Hypofunction. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 231-238.	1.5	25
41	What's in a context? Cautions, limitations, and potential paths forward. <i>Neuroscience Letters</i> , 2018, 680, 77-87.	2.1	23
42	Post-encoding stress enhances mnemonic discrimination of negative stimuli. <i>Learning and Memory</i> , 2018, 25, 611-619.	1.3	19
43	Reply to Gronwald et al.: Exercise intensity does indeed matter; maximal oxygen uptake is the gold-standard indicator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11892-E11893.	7.1	5
44	Rapid stimulation of human dentate gyrus function with acute mild exercise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10487-10492.	7.1	118
45	Hippocampal CA1 gamma power predicts the precision of spatial memory judgments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10148-10153.	7.1	52
46	APOE ϵ 4 status in healthy older African Americans is associated with deficits in pattern separation and hippocampal hyperactivation. <i>Neurobiology of Aging</i> , 2018, 69, 221-229.	3.1	36
47	Decoding item-specific information in visual short-term memory from the hippocampal DG/CA3 subfield using high-resolution fMRI. <i>Journal of Vision</i> , 2018, 18, 370.	0.3	0
48	Disruption of amygdala-entorhinal-hippocampal network in late-life depression. <i>Hippocampus</i> , 2017, 27, 464-476.	1.9	41
49	Pattern separation and goal-directed behavior in the aged canine. <i>Learning and Memory</i> , 2017, 24, 123-131.	1.3	5
50	Amygdala-hippocampal dynamics during salient information processing. <i>Nature Communications</i> , 2017, 8, 14413.	12.8	128
51	Acute moderate exercise improves mnemonic discrimination in young adults. <i>Hippocampus</i> , 2017, 27, 229-234.	1.9	69
52	Aerobic fitness associates with mnemonic discrimination as a mediator of physical activity effects: evidence for memory flexibility in young adults. <i>Scientific Reports</i> , 2017, 7, 5140.	3.3	36
53	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
54	Age-related individual variability in memory performance is associated with amygdala-hippocampal circuit function and emotional pattern separation. <i>Neurobiology of Aging</i> , 2017, 49, 9-19.	3.1	33

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55	Repetition reveals ups and downs of hippocampal, thalamic, and neocortical engagement during mnemonic decisions. <i>Hippocampus</i> , 2017, 27, 169-183.	1.9	20
56	Selective vulnerabilities and biomarkers in neurocognitive aging. <i>F1000Research</i> , 2017, 6, 491.	1.6	17
57	A Shared Mechanism for Mnemonic Precision in Visual Short-term Memory and Visual Long-term Memory. <i>Journal of Vision</i> , 2017, 17, 847.	0.3	0
58	Greater loss of object than spatial mnemonic discrimination in aged adults. <i>Hippocampus</i> , 2016, 26, 417-422.	1.9	84
59	ICâ€Pâ€16: Lateral Entorhinal Cortical Thinning Predicts Cognitive Decline in The ADNI Sample. <i>Alzheimer's and Dementia</i> , 2016, 12, P87.	0.8	0
60	P4â€207: Lateral Entorhinal Cortical Thinning Predicts Cognitive Decline in the ADNI Sample. <i>Alzheimer's and Dementia</i> , 2016, 12, P1104.	0.8	0
61	Positivity effect specific to older adults with subclinical memory impairment. <i>Learning and Memory</i> , 2016, 23, 415-421.	1.3	10
62	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.	4.2	284
63	Massive memory revisited: Limitations on storage capacity for object details in visual long-term memory. <i>Learning and Memory</i> , 2015, 22, 563-566.	1.3	25
64	Neurocognitive Aging and the Hippocampus across Species. <i>Trends in Neurosciences</i> , 2015, 38, 800-812.	8.6	162
65	Mnemonic discrimination of similar face stimuli and a potential mechanism for the "other race" effect. <i>Behavioral Neuroscience</i> , 2015, 129, 666-672.	1.2	12
66	Temporal discrimination deficits as a function of lag interference in older adults. <i>Hippocampus</i> , 2014, 24, 1189-1196.	1.9	30
67	Spatial discrimination deficits as a function of mnemonic interference in aged adults with and without memory impairment. <i>Hippocampus</i> , 2014, 24, 303-314.	1.9	65
68	Pattern separation of emotional information in hippocampal dentate and CA3. <i>Hippocampus</i> , 2014, 24, 1146-1155.	1.9	86
69	Ground zero in Alzheimer's disease. <i>Nature Neuroscience</i> , 2014, 17, 146-147.	14.8	28
70	Asymmetric effects of emotion on mnemonic interference. <i>Neurobiology of Learning and Memory</i> , 2014, 111, 41-48.	1.9	65
71	Post-study caffeine administration enhances memory consolidation in humans. <i>Nature Neuroscience</i> , 2014, 17, 201-203.	14.8	170
72	Object and spatial mnemonic interference differentially engage lateral and medial entorhinal cortex in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4264-73.	7.1	182

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73	The attribution of value-based attentional priority in individuals with depressive symptoms. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2014, 14, 1221-1227.	2.0	57
74	Repetition strengthens target recognition but impairs similar lure discrimination: evidence for trace competition. <i>Learning and Memory</i> , 2014, 21, 342-346.	1.3	34
75	Dissociated Signals in Human Dentate Gyrus and CA3 Predict Different Facets of Recognition Memory. <i>Journal of Neuroscience</i> , 2014, 34, 13301-13313.	3.6	32
76	Effects of aging on mnemonic discrimination of emotional information.. <i>Behavioral Neuroscience</i> , 2014, 128, 539-547.	1.2	31
77	P4-322: A SUITE OF DISCRIMINATION TASKS TO BEHAVIORALLY ASSESS THE INTEGRITY OF HIPPOCAMPAL PATTERN SEPARATION AND INDIVIDUAL DIFFERENCES IN NEUROCOGNITIVE AGING. , 2014, 10, P904-P904.		0
78	Assessing recollection and familiarity of similar lures in a behavioral pattern separation task. <i>Hippocampus</i> , 2013, 23, 287-294.	1.9	52
79	Perturbations of neural circuitry in aging, mild cognitive impairment, and Alzheimer's disease. <i>Ageing Research Reviews</i> , 2013, 12, 823-831.	10.9	89
80	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.	1.6	414
81	Perceptual versus conceptual interference and pattern separation of verbal stimuli in young and older adults. <i>Hippocampus</i> , 2013, 23, 425-430.	1.9	41
82	Spatiotemporal continuity alters long-term memory representation of objects. <i>Visual Cognition</i> , 2013, 21, 715-718.	1.6	3
83	Competitive Trace Theory: A Role for the Hippocampus in Contextual Interference during Retrieval. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 107.	2.0	65
84	Rotation Invariant Features for HARDI. <i>Lecture Notes in Computer Science</i> , 2013, 23, 705-717.	1.3	10
85	Reduction of Hippocampal Hyperactivity Improves Cognition in Amnesic Mild Cognitive Impairment. <i>Neuron</i> , 2012, 74, 467-474.	8.1	736
86	Norepinephrine-mediated emotional arousal facilitates subsequent pattern separation. <i>Neurobiology of Learning and Memory</i> , 2012, 97, 465-469.	1.9	91
87	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.	3.1	131
88	Pattern separation deficits associated with increased hippocampal CA3 and dentate gyrus activity in nondemented older adults. <i>Hippocampus</i> , 2011, 21, 968-979.	1.9	444
89	Distinct pattern separation related transfer functions in human CA3/dentate and CA1 revealed using high-resolution fMRI and variable mnemonic similarity. <i>Learning and Memory</i> , 2011, 18, 15-18.	1.3	294
90	Pattern separation in the hippocampus. <i>Trends in Neurosciences</i> , 2011, 34, 515-525.	8.6	1,122

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91	Searching for Novel Biomarkers Using High Resolution Diffusion Tensor Imaging. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 297-305.	2.6	7
92	Age-related memory deficits linked to circuit-specific disruptions in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8873-8878.	7.1	366
93	Gray matter in amnestic mild cognitive impairment: voxel-based morphometry. <i>NeuroReport</i> , 2010, 21, 259-263.	1.2	15
94	Individual differences in spatial pattern separation performance associated with healthy aging in humans. <i>Learning and Memory</i> , 2010, 17, 284-288.	1.3	155
95	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.	7.1	212
96	Bridging Neurocognitive Aging and Disease Modification: Targeting Functional Mechanisms of Memory Impairment. <i>Current Alzheimer Research</i> , 2010, 7, 197-199.	1.4	26
97	High-resolution structural and functional MRI of hippocampal CA3 and dentate gyrus in patients with amnestic Mild Cognitive Impairment. <i>NeuroImage</i> , 2010, 51, 1242-1252.	4.2	436
98	Intelligence and Medial Temporal Lobe Function in Older Adults: A Functional MR Imaging-Based Investigation. <i>American Journal of Neuroradiology</i> , 2009, 30, 1477-1481.	2.4	7
99	Effect of handedness on fMRI activation in the medial temporal lobe during an auditory verbal memory task. <i>Human Brain Mapping</i> , 2009, 30, 1271-1278.	3.6	36
100	A quantitative evaluation of cross-participant registration techniques for MRI studies of the medial temporal lobe. <i>NeuroImage</i> , 2009, 44, 319-327.	4.2	225
101	Multiple signals of recognition memory in the medial temporal lobe. <i>Hippocampus</i> , 2008, 18, 945-954.	1.9	73
102	Altered fMRI activation during mental rotation in those at genetic risk for Alzheimer disease. <i>Neurology</i> , 2008, 70, 1898-1904.	1.1	28
103	Volumetric neuroimage analysis extensions for the MIPAV software package. <i>Journal of Neuroscience Methods</i> , 2007, 165, 111-121.	2.5	114
104	Abnormal Object Recall and Anterior Cingulate Overactivation Correlate with Formal Thought Disorder in Schizophrenia. <i>Biological Psychiatry</i> , 2006, 59, 452-459.	1.3	64
105	Familial risk for Alzheimer's disease alters fMRI activation patterns. <i>Brain</i> , 2006, 129, 1229-1239.	7.6	150
106	Regional white matter change in pre-symptomatic Huntington's disease: A diffusion tensor imaging study. <i>Psychiatry Research - Neuroimaging</i> , 2005, 140, 55-62.	1.8	135
107	Brain activation in offspring of AD cases corresponds to 10q linkage. <i>Annals of Neurology</i> , 2005, 58, 142-146.	5.3	7
108	Functional Imbalance of Anterolateral Entorhinal Cortex and Hippocampal Dentate/CA3 Underlies Age-Related Object Pattern Separation Deficits. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0