

Eleanor A Maguire

List of Publications by Year in descending order

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Version: 2024-02-01

136
papers

21,273
citations

18482

62
h-index

11607

135
g-index

161
all docs

161
docs citations

161
times ranked

13913
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Field Mapping and Correction for Moving OP-MEG. IEEE Transactions on Biomedical Engineering, 2022, 69, 528-536.	4.2	26
2	Interference suppression techniques for OPM-based MEG: Opportunities and challenges. NeuroImage, 2022, 247, 118834.	4.2	35
3	Universal pulses for homogeneous excitation using single channel coils. Magnetic Resonance Imaging, 2022, 92, 180-186.	1.8	2
4	Autobiographical memory as a latent vulnerability mechanism following childhood maltreatment: Association with future depression symptoms and prosocial behavior. Development and Psychopathology, 2021, 33, 1300-1307.	2.3	9
5	The Role of Hippocampal and Ventromedial Prefrontal Cortex Neural Dynamics in Building Mental Representations. Journal of Cognitive Neuroscience, 2021, 33, 89-103.	2.3	24
6	The relationship between hippocampal subfield volumes and autobiographical memory persistence. Hippocampus, 2021, 31, 362-374.	1.9	20
7	Mouth magnetoencephalography: A unique perspective on the human hippocampus. NeuroImage, 2021, 225, 117443.	4.2	56
8	The relationship between hippocampal-dependent task performance and hippocampal grey matter myelination and iron content. Brain and Neuroscience Advances, 2021, 5, 239821282110119.	3.4	7
9	Characterising the hippocampal response to perception, construction and complexity. Cortex, 2021, 137, 1-17.	2.4	18
10	Watching Movies Unfold, a Frame-by-Frame Analysis of the Associated Neural Dynamics. ENeuro, 2021, 8, ENEURO.0099-21.2021.	1.9	0
11	The distinct and overlapping brain networks supporting semantic and spatial constructive scene processing. Neuropsychologia, 2021, 158, 107912.	1.6	7
12	Reducing Susceptibility Distortion Related Image Blurring in Diffusion MRI EPI Data. Frontiers in Neuroscience, 2021, 15, 706473.	2.8	5
13	Testing covariance models for MEG source reconstruction of hippocampal activity. Scientific Reports, 2021, 11, 17615.	3.3	8
14	Using OPMs to measure neural activity in standing, mobile participants. NeuroImage, 2021, 244, 118604.	4.2	48
15	Modelling optically pumped magnetometer interference in MEG as a spatially homogeneous magnetic field. NeuroImage, 2021, 244, 118484.	4.2	36
16	Do questionnaires reflect their purported cognitive functions?. Cognition, 2020, 195, 104114.	2.2	31
17	Does hippocampal volume explain performance differences on hippocampal-dependant tasks?. NeuroImage, 2020, 221, 117211.	4.2	30
18	Characterizing Strategy Use During the Performance of Hippocampal-Dependent Tasks. Frontiers in Psychology, 2020, 11, 2119.	2.1	15

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19	How Can Hearing Loss Cause Dementia?. <i>Neuron</i> , 2020, 108, 401-412.	8.1	169
20	The Effect of Object Type on Building Scene Imagery—an MEG Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 592175.	2.0	5
21	vmPFC Drives Hippocampal Processing during Autobiographical Memory Recall Regardless of Remoteness. <i>Cerebral Cortex</i> , 2020, 30, 5972-5987.	2.9	71
22	Manipulating the temporal locus and content of mind-wandering. <i>Consciousness and Cognition</i> , 2020, 79, 102885.	1.5	4
23	Sleeping with Hippocampal Damage. <i>Current Biology</i> , 2020, 30, 523-529.e3.	3.9	24
24	Dreaming with hippocampal damage. <i>ELife</i> , 2020, 9, .	6.0	21
25	Consolidating the Case for Transient Hippocampal Memory Traces. <i>Trends in Cognitive Sciences</i> , 2019, 23, 635-636.	7.8	18
26	Imaging the human hippocampus with optically-pumped magnetoencephalography. <i>NeuroImage</i> , 2019, 203, 116192.	4.2	52
27	Towards OPM-MEG in a virtual reality environment. <i>NeuroImage</i> , 2019, 199, 408-417.	4.2	87
28	Functional connectivity along the anterior–posterior axis of hippocampal subfields in the ageing human brain. <i>Hippocampus</i> , 2019, 29, 1049-1062.	1.9	31
29	The Neural Dynamics of Novel Scene Imagery. <i>Journal of Neuroscience</i> , 2019, 39, 4375-4386.	3.6	74
30	What "wins" in VMPFC: Scenes, situations, or schema?. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 100, 208-210.	6.1	64
31	Differences in functional connectivity along the anterior-posterior axis of human hippocampal subfields. <i>NeuroImage</i> , 2019, 192, 38-51.	4.2	76
32	Encoding of 3D head direction information in the human brain. <i>Hippocampus</i> , 2019, 29, 619-629.	1.9	29
33	Scene processing following damage to the ventromedial prefrontal cortex. <i>NeuroReport</i> , 2019, 30, 828-833.	1.2	11
34	Can we study 3D grid codes non-invasively in the human brain? Methodological considerations and fMRI findings. <i>NeuroImage</i> , 2019, 186, 667-678.	4.2	21
35	Remote Memory and the Hippocampus: A Constructive Critique. <i>Trends in Cognitive Sciences</i> , 2019, 23, 128-142.	7.8	130
36	Identifying the cognitive processes underpinning hippocampal-dependent tasks.. <i>Journal of Experimental Psychology: General</i> , 2019, 148, 1861-1881.	2.1	30

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37	Mind-Wandering in People with Hippocampal Damage. <i>Journal of Neuroscience</i> , 2018, 38, 2745-2754.	3.6	97
38	Dissociating Landmark Stability from Orienting Value Using Functional Magnetic Resonance Imaging. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 698-713.	2.3	9
39	Retrosplenial Cortex Indexes Stability beyond the Spatial Domain. <i>Journal of Neuroscience</i> , 2018, 38, 1472-1481.	3.6	28
40	Hippocampus, Retrosplenial and Parahippocampal Cortices Encode Multicompartment 3D Space in a Hierarchical Manner. <i>Cerebral Cortex</i> , 2018, 28, 1898-1909.	2.9	27
41	Two years later – Revisiting autobiographical memory representations in vmPFC and hippocampus. <i>Neuropsychologia</i> , 2018, 110, 159-169.	1.6	65
42	Comparing and Contrasting the Cognitive Effects of Hippocampal and Ventromedial Prefrontal Cortex Damage: A Review of Human Lesion Studies. <i>Neuroscience</i> , 2018, 374, 295-318.	2.3	111
43	Nonmonotonic recruitment of ventromedial prefrontal cortex during remote memory recall. <i>PLoS Biology</i> , 2018, 16, e2005479.	5.6	17
44	Verbal Paired Associates and the Hippocampus: The Role of Scenes. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 1821-1845.	2.3	27
45	Boundary extension is attenuated in patients with ventromedial prefrontal cortex damage. <i>Cortex</i> , 2018, 108, 1-12.	2.4	21
46	Differentiable Processing of Objects, Associations, and Scenes within the Hippocampus. <i>Journal of Neuroscience</i> , 2018, 38, 8146-8159.	3.6	60
47	Segmenting subregions of the human hippocampus on structural magnetic resonance image scans: An illustrated tutorial. <i>Brain and Neuroscience Advances</i> , 2017, 1, 239821281770144.	3.4	56
48	Multivoxel Pattern Analysis Reveals 3D Place Information in the Human Hippocampus. <i>Journal of Neuroscience</i> , 2017, 37, 4270-4279.	3.6	49
49	Deciding what is possible and impossible following hippocampal damage in humans. <i>Hippocampus</i> , 2017, 27, 303-314.	1.9	35
50	Efficacy of navigation may be influenced by retrosplenial cortex-mediated learning of landmark stability. <i>Neuropsychologia</i> , 2017, 104, 102-112.	1.6	23
51	Autobiographical memory: A candidate latent vulnerability mechanism for psychiatric disorder following childhood maltreatment. <i>British Journal of Psychiatry</i> , 2017, 211, 216-222.	2.8	44
52	The pre/parasubiculum: a hippocampal hub for scene-based cognition?. <i>Current Opinion in Behavioral Sciences</i> , 2017, 17, 34-40.	3.9	71
53	Hippocampal Damage Increases Deontological Responses during Moral Decision Making. <i>Journal of Neuroscience</i> , 2016, 36, 12157-12167.	3.6	41
54	Anterior hippocampus: the anatomy of perception, imagination and episodic memory. <i>Nature Reviews Neuroscience</i> , 2016, 17, 173-182.	10.2	411

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55	Remembering Preservation in Hippocampal Amnesia. <i>Annual Review of Psychology</i> , 2016, 67, 51-82.	17.7	63
56	Scenes, Spaces, and Memory Traces. <i>Neuroscientist</i> , 2016, 22, 432-439.	3.5	90
57	Constructing, Perceiving, and Maintaining Scenes: Hippocampal Activity and Connectivity. <i>Cerebral Cortex</i> , 2015, 25, 3836-3855.	2.9	153
58	Investigating the functions of subregions within anterior hippocampus. <i>Cortex</i> , 2015, 73, 240-256.	2.4	89
59	Ventromedial prefrontal cortex drives hippocampal theta oscillations induced by mismatch computations. <i>NeuroImage</i> , 2015, 120, 362-370.	4.2	59
60	A central role for the retrosplenial cortex in de novo environmental learning. <i>ELife</i> , 2015, 4, .	6.0	66
61	CA3 size predicts the precision of memory recall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10720-10725.	7.1	72
62	Representations of specific acoustic patterns in the auditory cortex and hippocampus. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141000.	2.6	35
63	Scene construction in developmental amnesia: An fMRI study. <i>Neuropsychologia</i> , 2014, 52, 1-10.	1.6	41
64	Learning to remember: The early ontogeny of episodic memory. <i>Developmental Cognitive Neuroscience</i> , 2014, 9, 12-29.	4.0	106
65	Memory, Imagination, and Predicting the Future. <i>Neuroscientist</i> , 2014, 20, 220-234.	3.5	204
66	Memory consolidation in humans: new evidence and opportunities. <i>Experimental Physiology</i> , 2014, 99, 471-486.	2.0	22
67	Counterfactual thinking in patients with amnesia. <i>Hippocampus</i> , 2014, 24, 1261-1266.	1.9	30
68	Assessing the mechanism of response in the retrosplenial cortex of good and poor navigators. <i>Cortex</i> , 2013, 49, 2904-2913.	2.4	76
69	The hippocampus extrapolates beyond the view in scenes: An fMRI study of boundary extension. <i>Cortex</i> , 2013, 49, 2067-2079.	2.4	62
70	Exploring the role of space-defining objects in constructing and maintaining imagined scenes. <i>Brain and Cognition</i> , 2013, 82, 100-107.	1.8	52
71	Assessing hippocampal functional reserve in temporal lobe epilepsy: A multi-voxel pattern analysis of fMRI data. <i>Epilepsy Research</i> , 2013, 105, 140-149.	1.6	27
72	Representations of recent and remote autobiographical memories in hippocampal subfields. <i>Hippocampus</i> , 2013, 23, 849-854.	1.9	63

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73	The hippocampus: A manifesto for change.. Journal of Experimental Psychology: General, 2013, 142, 1180-1189.	2.1	285
74	Detecting Representations of Recent and Remote Autobiographical Memories in vmPFC and Hippocampus. Journal of Neuroscience, 2012, 32, 16982-16991.	3.6	191
75	Scene Construction in Amnesia: An fMRI Study. Journal of Neuroscience, 2012, 32, 5646-5653.	3.6	117
76	Exploring anterograde associative memory in London taxi drivers. NeuroReport, 2012, 23, 885-888.	1.2	29
77	Exploring the parahippocampal cortex response to high and low spatial frequency spaces. NeuroReport, 2012, 23, 503-507.	1.2	38
78	Decoding information in the human hippocampus: A user's guide. Neuropsychologia, 2012, 50, 3107-3121.	1.6	55
79	Studying the freely-behaving brain with fMRI. NeuroImage, 2012, 62, 1170-1176.	4.2	62
80	Retrosplenial Cortex Codes for Permanent Landmarks. PLoS ONE, 2012, 7, e43620.	2.5	190
81	Multi-voxel pattern analysis in human hippocampal subfields. Frontiers in Human Neuroscience, 2012, 6, 290.	2.0	74
82	Attenuated Boundary Extension Produces a Paradoxical Memory Advantage in Amnesic Patients. Current Biology, 2012, 22, 261-268.	3.9	128
83	Decoding representations of scenes in the medial temporal lobes. Hippocampus, 2012, 22, 1143-1153.	1.9	62
84	The effect of hippocampal damage in children on recalling the past and imagining new experiences. Neuropsychologia, 2011, 49, 1843-1850.	1.6	86
85	Patient HC with developmental amnesia can construct future scenarios. Neuropsychologia, 2011, 49, 3620-3628.	1.6	123
86	Acquiring "the Knowledge" of London's Layout Drives Structural Brain Changes. Current Biology, 2011, 21, 2109-2114.	3.9	447
87	Role of the hippocampus in imagination and future thinking. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E39.	7.1	71
88	Decoding overlapping memories in the medial temporal lobes using high-resolution fMRI. Learning and Memory, 2011, 18, 742-746.	1.3	53
89	A New Role for the Parahippocampal Cortex in Representing Space. Journal of Neuroscience, 2011, 31, 7441-7449.	3.6	172
90	The effect of navigational expertise on wayfinding in new environments. Journal of Environmental Psychology, 2010, 30, 565-573.	5.1	51

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91	Autobiographical memory in semantic dementia: A longitudinal fMRI study. <i>Neuropsychologia</i> , 2010, 48, 123-136.	1.6	83
92	Differential engagement of brain regions within a "core" network during scene construction. <i>Neuropsychologia</i> , 2010, 48, 1501-1509.	1.6	125
93	Imagining fictitious and future experiences: Evidence from developmental amnesia. <i>Neuropsychologia</i> , 2010, 48, 3187-3192.	1.6	114
94	Decoding Individual Episodic Memory Traces in the Human Hippocampus. <i>Current Biology</i> , 2010, 20, 544-547.	3.9	187
95	Talent in the taxi: a model system for exploring expertise. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1407-1416.	4.0	66
96	Navigational expertise may compromise anterograde associative memory. <i>Neuropsychologia</i> , 2009, 47, 1088-1095.	1.6	44
97	Decoding Neuronal Ensembles in the Human Hippocampus. <i>Current Biology</i> , 2009, 19, 546-554.	3.9	197
98	What does the retrosplenial cortex do?. <i>Nature Reviews Neuroscience</i> , 2009, 10, 792-802.	10.2	1,170
99	Tracking the Emergence of Conceptual Knowledge during Human Decision Making. <i>Neuron</i> , 2009, 63, 889-901.	8.1	227
100	The construction system of the brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1263-1271.	4.0	394
101	Cortical midline involvement in autobiographical memory. <i>NeuroImage</i> , 2009, 44, 1188-1200.	4.2	177
102	Non-spatial expertise and hippocampal gray matter volume in humans. <i>Hippocampus</i> , 2008, 18, 981-984.	1.9	20
103	The dynamic nature of cognition during wayfinding. <i>Journal of Environmental Psychology</i> , 2008, 28, 232-249.	5.1	139
104	Deconstructing episodic memory with construction. <i>Trends in Cognitive Sciences</i> , 2007, 11, 299-306.	7.8	995
105	Decoding human brain activity during real-world experiences. <i>Trends in Cognitive Sciences</i> , 2007, 11, 356-365.	7.8	176
106	Neural substrates of driving behaviour. <i>NeuroImage</i> , 2007, 36, 245-255.	4.2	151
107	Using Imagination to Understand the Neural Basis of Episodic Memory. <i>Journal of Neuroscience</i> , 2007, 27, 14365-14374.	3.6	675
108	Patients with hippocampal amnesia cannot imagine new experiences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1726-1731.	7.1	1,212

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109	A navigational guidance system in the human brain. <i>Hippocampus</i> , 2007, 17, 618-626.	1.9	187
110	Impaired spatial and non-spatial configural learning in patients with hippocampal pathology. <i>Neuropsychologia</i> , 2007, 45, 2699-2711.	1.6	38
111	Thoughts, behaviour, and brain dynamics during navigation in the real world. <i>NeuroImage</i> , 2006, 31, 1826-1840.	4.2	317
112	An Unexpected Sequence of Events: Mismatch Detection in the Human Hippocampus. <i>PLoS Biology</i> , 2006, 4, e424.	5.6	272
113	The Dynamics of Hippocampal Activation during Encoding of Overlapping Sequences. <i>Neuron</i> , 2006, 49, 617-629.	8.1	111
114	Spontaneous mentalizing during an interactive real world task: An fMRI study. <i>Neuropsychologia</i> , 2006, 44, 1674-1682.	1.6	115
115	London taxi drivers and bus drivers: A structural MRI and neuropsychological analysis. <i>Hippocampus</i> , 2006, 16, 1091-1101.	1.9	749
116	Navigation around London by a taxi driver with bilateral hippocampal lesions. <i>Brain</i> , 2006, 129, 2894-2907.	7.6	258
117	The effect of adult-acquired hippocampal damage on memory retrieval: An fMRI study. <i>NeuroImage</i> , 2005, 27, 146-152.	4.2	28
118	The Human Hippocampus: Cognitive Maps or Relational Memory?. <i>Journal of Neuroscience</i> , 2005, 25, 7254-7259.	3.6	163
119	The brain network associated with acquiring semantic knowledge. <i>NeuroImage</i> , 2004, 22, 171-178.	4.2	60
120	Navigation expertise and the human hippocampus: A structural brain imaging analysis. <i>Hippocampus</i> , 2003, 13, 250-259.	1.9	304
121	Routes to remembering: the brains behind superior memory. <i>Nature Neuroscience</i> , 2003, 6, 90-95.	14.8	318
122	The Well-Worn Route and the Path Less Traveled. <i>Neuron</i> , 2003, 37, 877-888.	8.1	729
123	Aging affects the engagement of the hippocampus during autobiographical memory retrieval. <i>Brain</i> , 2003, 126, 1511-1523.	7.6	198
124	Lateral Asymmetry in the Hippocampal Response to the Remoteness of Autobiographical Memories. <i>Journal of Neuroscience</i> , 2003, 23, 5302-5307.	3.6	156
125	The Human Hippocampus and Spatial and Episodic Memory. <i>Neuron</i> , 2002, 35, 625-641.	8.1	1,974
126	A Temporoparietal and Prefrontal Network for Retrieving the Spatial Context of Lifelike Events. <i>NeuroImage</i> , 2001, 14, 439-453.	4.2	447

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127	Activity in prefrontal cortex, not hippocampus, varies parametrically with the increasing remoteness of memories. <i>NeuroReport</i> , 2001, 12, 441-444.	1.2	124
128	Hippocampal Amnesia. <i>Neurocase</i> , 2001, 7, 357-382.	0.6	249
129	Neuroimaging studies of autobiographical event memory. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 1441-1451.	4.0	435
130	Patterns of hippocampal-cortical interaction dissociate temporal lobe memory subsystems. <i>Hippocampus</i> , 2000, 10, 475-482.	1.9	171
131	Patterns of hippocampal-cortical interaction dissociate temporal lobe memory subsystems. , 2000, 10, 475.		1
132	Human spatial navigation: cognitive maps, sexual dimorphism, and neural substrates. <i>Current Opinion in Neurobiology</i> , 1999, 9, 171-177.	4.2	282
133	Differential modulation of a common memory retrieval network revealed by positron emission tomography. <i>Hippocampus</i> , 1999, 9, 54-61.	1.9	305
134	Place cells, navigational accuracy, and the human hippocampus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 1333-1340.	4.0	236
135	Recalling Routes around London: Activation of the Right Hippocampus in Taxi Drivers. <i>Journal of Neuroscience</i> , 1997, 17, 7103-7110.	3.6	608
136	Topographical disorientation following unilateral temporal lobe lesions in humans. <i>Neuropsychologia</i> , 1996, 34, 993-1001.	1.6	219