

# Eleanor A Maguire

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6927028/publications.pdf>

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	The Human Hippocampus and Spatial and Episodic Memory. <i>Neuron</i> , 2002, 35, 625-641.	8.1	1,974
2	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
3	What does the retrosplenial cortex do?. <i>Nature Reviews Neuroscience</i> , 2009, 10, 792-802.	10.2	1,170
4	Deconstructing episodic memory with construction. <i>Trends in Cognitive Sciences</i> , 2007, 11, 299-306.	7.8	995
5	London taxi drivers and bus drivers: A structural MRI and neuropsychological analysis. <i>Hippocampus</i> , 2006, 16, 1091-1101.	1.9	749
6	The Well-Worn Route and the Path Less Traveled. <i>Neuron</i> , 2003, 37, 877-888.	8.1	729
7	Using Imagination to Understand the Neural Basis of Episodic Memory. <i>Journal of Neuroscience</i> , 2007, 27, 14365-14374.	3.6	675
8	Recalling Routes around London: Activation of the Right Hippocampus in Taxi Drivers. <i>Journal of Neuroscience</i> , 1997, 17, 7103-7110.	3.6	608
9	A Temporoparietal and Prefrontal Network for Retrieving the Spatial Context of Lifelike Events. <i>NeuroImage</i> , 2001, 14, 439-453.	4.2	447
10	Acquiring the Knowledge of London's Layout Drives Structural Brain Changes. <i>Current Biology</i> , 2011, 21, 2109-2114.	3.9	447
11	Neuroimaging studies of autobiographical event memory. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 1441-1451.	4.0	435
12	Anterior hippocampus: the anatomy of perception, imagination and episodic memory. <i>Nature Reviews Neuroscience</i> , 2016, 17, 173-182.	10.2	411
13	The construction system of the brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1263-1271.	4.0	394
14	Routes to remembering: the brains behind superior memory. <i>Nature Neuroscience</i> , 2003, 6, 90-95.	14.8	318
15	Thoughts, behaviour, and brain dynamics during navigation in the real world. <i>NeuroImage</i> , 2006, 31, 1826-1840.	4.2	317
16	Differential modulation of a common memory retrieval network revealed by positron emission tomography. <i>Hippocampus</i> , 1999, 9, 54-61.	1.9	305
17	Navigation expertise and the human hippocampus: A structural brain imaging analysis. <i>Hippocampus</i> , 2003, 13, 250-259.	1.9	304
18	The hippocampus: A manifesto for change.. <i>Journal of Experimental Psychology: General</i> , 2013, 142, 1180-1189.	2.1	285

#	ARTICLE	IF	CITATIONS
19	Human spatial navigation: cognitive maps, sexual dimorphism, and neural substrates. <i>Current Opinion in Neurobiology</i> , 1999, 9, 171-177.	4.2	282
20	An Unexpected Sequence of Events: Mismatch Detection in the Human Hippocampus. <i>PLoS Biology</i> , 2006, 4, e424.	5.6	272
21	Navigation around London by a taxi driver with bilateral hippocampal lesions. <i>Brain</i> , 2006, 129, 2894-2907.	7.6	258
22	Hippocampal Amnesia. <i>Neurocase</i> , 2001, 7, 357-382.	0.6	249
23	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
24	Tracking the Emergence of Conceptual Knowledge during Human Decision Making. <i>Neuron</i> , 2009, 63, 889-901.	8.1	227
25	Topographical disorientation following unilateral temporal lobe lesions in humans. <i>Neuropsychologia</i> , 1996, 34, 993-1001.	1.6	219
26	Memory, Imagination, and Predicting the Future. <i>Neuroscientist</i> , 2014, 20, 220-234.	3.5	204
27	Aging affects the engagement of the hippocampus during autobiographical memory retrieval. <i>Brain</i> , 2003, 126, 1511-1523.	7.6	198
28	Decoding Neuronal Ensembles in the Human Hippocampus. <i>Current Biology</i> , 2009, 19, 546-554.	3.9	197
29	Detecting Representations of Recent and Remote Autobiographical Memories in vmPFC and Hippocampus. <i>Journal of Neuroscience</i> , 2012, 32, 16982-16991.	3.6	191
30	Retrosplenial Cortex Codes for Permanent Landmarks. <i>PLoS ONE</i> , 2012, 7, e43620.	2.5	190
31	A navigational guidance system in the human brain. <i>Hippocampus</i> , 2007, 17, 618-626.	1.9	187
32	Decoding Individual Episodic Memory Traces in the Human Hippocampus. <i>Current Biology</i> , 2010, 20, 544-547.	3.9	187
33	Cortical midline involvement in autobiographical memory. <i>NeuroImage</i> , 2009, 44, 1188-1200.	4.2	177
34	Decoding human brain activity during real-world experiences. <i>Trends in Cognitive Sciences</i> , 2007, 11, 356-365.	7.8	176
35	A New Role for the Parahippocampal Cortex in Representing Space. <i>Journal of Neuroscience</i> , 2011, 31, 7441-7449.	3.6	172
36	Patterns of hippocampal-cortical interaction dissociate temporal lobe memory subsystems. <i>Hippocampus</i> , 2000, 10, 475-482.	1.9	171

#	ARTICLE	IF	CITATIONS
37	How Can Hearing Loss Cause Dementia?. <i>Neuron</i> , 2020, 108, 401-412.	8.1	169
38	The Human Hippocampus: Cognitive Maps or Relational Memory?. <i>Journal of Neuroscience</i> , 2005, 25, 7254-7259.	3.6	163
39	Lateral Asymmetry in the Hippocampal Response to the Remoteness of Autobiographical Memories. <i>Journal of Neuroscience</i> , 2003, 23, 5302-5307.	3.6	156
40	Constructing, Perceiving, and Maintaining Scenes: Hippocampal Activity and Connectivity. <i>Cerebral Cortex</i> , 2015, 25, 3836-3855.	2.9	153
41	Neural substrates of driving behaviour. <i>NeuroImage</i> , 2007, 36, 245-255.	4.2	151
42	The dynamic nature of cognition during wayfinding. <i>Journal of Environmental Psychology</i> , 2008, 28, 232-249.	5.1	139
43	Remote Memory and the Hippocampus: A Constructive Critique. <i>Trends in Cognitive Sciences</i> , 2019, 23, 128-142.	7.8	130
44	Attenuated Boundary Extension Produces a Paradoxical Memory Advantage in Amnesic Patients. <i>Current Biology</i> , 2012, 22, 261-268.	3.9	128
45	Differential engagement of brain regions within a "core" network during scene construction. <i>Neuropsychologia</i> , 2010, 48, 1501-1509.	1.6	125
46	Activity in prefrontal cortex, not hippocampus, varies parametrically with the increasing remoteness of memories. <i>NeuroReport</i> , 2001, 12, 441-444.	1.2	124
47	Patient HC with developmental amnesia can construct future scenarios. <i>Neuropsychologia</i> , 2011, 49, 3620-3628.	1.6	123
48	Scene Construction in Amnesia: An fMRI Study. <i>Journal of Neuroscience</i> , 2012, 32, 5646-5653.	3.6	117
49	Spontaneous mentalizing during an interactive real world task: An fMRI study. <i>Neuropsychologia</i> , 2006, 44, 1674-1682.	1.6	115
50	Imagining fictitious and future experiences: Evidence from developmental amnesia. <i>Neuropsychologia</i> , 2010, 48, 3187-3192.	1.6	114
51	The Dynamics of Hippocampal Activation during Encoding of Overlapping Sequences. <i>Neuron</i> , 2006, 49, 617-629.	8.1	111
52	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
53	Learning to remember: The early ontogeny of episodic memory. <i>Developmental Cognitive Neuroscience</i> , 2014, 9, 12-29.	4.0	106
54	Mind-Wandering in People with Hippocampal Damage. <i>Journal of Neuroscience</i> , 2018, 38, 2745-2754.	3.6	97

#	ARTICLE	IF	CITATIONS
55	Scenes, Spaces, and Memory Traces. <i>Neuroscientist</i> , 2016, 22, 432-439.	3.5	90
56	Investigating the functions of subregions within anterior hippocampus. <i>Cortex</i> , 2015, 73, 240-256.	2.4	89
57	Towards OPM-MEG in a virtual reality environment. <i>NeuroImage</i> , 2019, 199, 408-417.	4.2	87
58	The effect of hippocampal damage in children on recalling the past and imagining new experiences. <i>Neuropsychologia</i> , 2011, 49, 1843-1850.	1.6	86
59	Autobiographical memory in semantic dementia: A longitudinal fMRI study. <i>Neuropsychologia</i> , 2010, 48, 123-136.	1.6	83
60	Assessing the mechanism of response in the retrosplenial cortex of good and poor navigators. <i>Cortex</i> , 2013, 49, 2904-2913.	2.4	76
61	Differences in functional connectivity along the anterior-posterior axis of human hippocampal subfields. <i>NeuroImage</i> , 2019, 192, 38-51.	4.2	76
62	Multi-voxel pattern analysis in human hippocampal subfields. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 290.	2.0	74
63	The Neural Dynamics of Novel Scene Imagery. <i>Journal of Neuroscience</i> , 2019, 39, 4375-4386.	3.6	74
64	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
65	Role of the hippocampus in imagination and future thinking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E39.	7.1	71
66	The pre/parasubiculum: a hippocampal hub for scene-based cognition?. <i>Current Opinion in Behavioral Sciences</i> , 2017, 17, 34-40.	3.9	71
67	vmPFC Drives Hippocampal Processing during Autobiographical Memory Recall Regardless of Remoteness. <i>Cerebral Cortex</i> , 2020, 30, 5972-5987.	2.9	71
68	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
69	A central role for the retrosplenial cortex in de novo environmental learning. <i>ELife</i> , 2015, 4, .	6.0	66
70	Two years later – Revisiting autobiographical memory representations in vmPFC and hippocampus. <i>Neuropsychologia</i> , 2018, 110, 159-169.	1.6	65
71	What "wins" in VMPFC: Scenes, situations, or schema?. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 100, 208-210.	6.1	64
72	Representations of recent and remote autobiographical memories in hippocampal subfields. <i>Hippocampus</i> , 2013, 23, 849-854.	1.9	63

#	ARTICLE	IF	CITATIONS
73	Remembering Preservation in Hippocampal Amnesia. <i>Annual Review of Psychology</i> , 2016, 67, 51-82.	17.7	63
74	Studying the freely-behaving brain with fMRI. <i>NeuroImage</i> , 2012, 62, 1170-1176.	4.2	62
75	Decoding representations of scenes in the medial temporal lobes. <i>Hippocampus</i> , 2012, 22, 1143-1153.	1.9	62
76	The hippocampus extrapolates beyond the view in scenes: An fMRI study of boundary extension. <i>Cortex</i> , 2013, 49, 2067-2079.	2.4	62
77	The brain network associated with acquiring semantic knowledge. <i>NeuroImage</i> , 2004, 22, 171-178.	4.2	60
78	Differentiable Processing of Objects, Associations, and Scenes within the Hippocampus. <i>Journal of Neuroscience</i> , 2018, 38, 8146-8159.	3.6	60
79	Ventromedial prefrontal cortex drives hippocampal theta oscillations induced by mismatch computations. <i>NeuroImage</i> , 2015, 120, 362-370.	4.2	59
80	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
81	Mouth magnetoencephalography: A unique perspective on the human hippocampus. <i>NeuroImage</i> , 2021, 225, 117443.	4.2	56
82	Decoding information in the human hippocampus: A user's guide. <i>Neuropsychologia</i> , 2012, 50, 3107-3121.	1.6	55
83	Decoding overlapping memories in the medial temporal lobes using high-resolution fMRI. <i>Learning and Memory</i> , 2011, 18, 742-746.	1.3	53
84	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
85	Imaging the human hippocampus with optically-pumped magnetoencephalography. <i>NeuroImage</i> , 2019, 203, 116192.	4.2	52
86	The effect of navigational expertise on wayfinding in new environments. <i>Journal of Environmental Psychology</i> , 2010, 30, 565-573.	5.1	51
87	Multivoxel Pattern Analysis Reveals 3D Place Information in the Human Hippocampus. <i>Journal of Neuroscience</i> , 2017, 37, 4270-4279.	3.6	49
88	Using OPMs to measure neural activity in standing, mobile participants. <i>NeuroImage</i> , 2021, 244, 118604.	4.2	48
89	Navigational expertise may compromise anterograde associative memory. <i>Neuropsychologia</i> , 2009, 47, 1088-1095.	1.6	44
90	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

#	ARTICLE	IF	CITATIONS
91	Scene construction in developmental amnesia: An fMRI study. <i>Neuropsychologia</i> , 2014, 52, 1-10.	1.6	41
92	Hippocampal Damage Increases Deontological Responses during Moral Decision Making. <i>Journal of Neuroscience</i> , 2016, 36, 12157-12167.	3.6	41
93	Impaired spatial and non-spatial configural learning in patients with hippocampal pathology. <i>Neuropsychologia</i> , 2007, 45, 2699-2711.	1.6	38
94	Exploring the parahippocampal cortex response to high and low spatial frequency spaces. <i>NeuroReport</i> , 2012, 23, 503-507.	1.2	38
95	Modelling optically pumped magnetometer interference in MEG as a spatially homogeneous magnetic field. <i>NeuroImage</i> , 2021, 244, 118484.	4.2	36
96	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
97	Deciding what is possible and impossible following hippocampal damage in humans. <i>Hippocampus</i> , 2017, 27, 303-314.	1.9	35
98	Interference suppression techniques for OPM-based MEG: Opportunities and challenges. <i>NeuroImage</i> , 2022, 247, 118834.	4.2	35
99	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
100	Do questionnaires reflect their purported cognitive functions?. <i>Cognition</i> , 2020, 195, 104114.	2.2	31
101	Counterfactual thinking in patients with amnesia. <i>Hippocampus</i> , 2014, 24, 1261-1266.	1.9	30
102	Does hippocampal volume explain performance differences on hippocampal-dependant tasks?. <i>NeuroImage</i> , 2020, 221, 117211.	4.2	30
103	Identifying the cognitive processes underpinning hippocampal-dependent tasks.. <i>Journal of Experimental Psychology: General</i> , 2019, 148, 1861-1881.	2.1	30
104	Exploring anterograde associative memory in London taxi drivers. <i>NeuroReport</i> , 2012, 23, 885-888.	1.2	29
105	Encoding of 3D head direction information in the human brain. <i>Hippocampus</i> , 2019, 29, 619-629.	1.9	29
106	The effect of adult-acquired hippocampal damage on memory retrieval: An fMRI study. <i>NeuroImage</i> , 2005, 27, 146-152.	4.2	28
107	Retrosplenial Cortex Indexes Stability beyond the Spatial Domain. <i>Journal of Neuroscience</i> , 2018, 38, 1472-1481.	3.6	28
108	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

#	ARTICLE	IF	CITATIONS
109	Hippocampus, Retrosplenial and Parahippocampal Cortices Encode Multicompartement 3D Space in a Hierarchical Manner. <i>Cerebral Cortex</i> , 2018, 28, 1898-1909.	2.9	27
110	Verbal Paired Associates and the Hippocampus: The Role of Scenes. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 1821-1845.	2.3	27
111	Magnetic Field Mapping and Correction for Moving OP-MEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 528-536.	4.2	26
112	The Role of Hippocampal and Ventromedial Prefrontal Cortex Neural Dynamics in Building Mental Representations. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 89-103.	2.3	24
113	Sleeping with Hippocampal Damage. <i>Current Biology</i> , 2020, 30, 523-529.e3.	3.9	24
114	Efficacy of navigation may be influenced by retrosplenial cortex-mediated learning of landmark stability. <i>Neuropsychologia</i> , 2017, 104, 102-112.	1.6	23
115	Memory consolidation in humans: new evidence and opportunities. <i>Experimental Physiology</i> , 2014, 99, 471-486.	2.0	22
116	Boundary extension is attenuated in patients with ventromedial prefrontal cortex damage. <i>Cortex</i> , 2018, 108, 1-12.	2.4	21
117	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
118	Dreaming with hippocampal damage. <i>ELife</i> , 2020, 9, .	6.0	21
119	Non-spatial expertise and hippocampal gray matter volume in humans. <i>Hippocampus</i> , 2008, 18, 981-984.	1.9	20
120	The relationship between hippocampal subfield volumes and autobiographical memory persistence. <i>Hippocampus</i> , 2021, 31, 362-374.	1.9	20
121	Consolidating the Case for Transient Hippocampal Memory Traces. <i>Trends in Cognitive Sciences</i> , 2019, 23, 635-636.	7.8	18
122	Characterising the hippocampal response to perception, construction and complexity. <i>Cortex</i> , 2021, 137, 1-17.	2.4	18
123	Nonmonotonic recruitment of ventromedial prefrontal cortex during remote memory recall. <i>PLoS Biology</i> , 2018, 16, e2005479.	5.6	17
124	Characterizing Strategy Use During the Performance of Hippocampal-Dependent Tasks. <i>Frontiers in Psychology</i> , 2020, 11, 2119.	2.1	15
125	Scene processing following damage to the ventromedial prefrontal cortex. <i>NeuroReport</i> , 2019, 30, 828-833.	1.2	11
126	Dissociating Landmark Stability from Orienting Value Using Functional Magnetic Resonance Imaging. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 698-713.	2.3	9



#	ARTICLE	IF	CITATIONS
127	Autobiographical memory as a latent vulnerability mechanism following childhood maltreatment: Association with future depression symptoms and prosocial behavior. <i>Development and Psychopathology</i> , 2021, 33, 1300-1307.	2.3	9
128	Testing covariance models for MEG source reconstruction of hippocampal activity. <i>Scientific Reports</i> , 2021, 11, 17615.	3.3	8
129	The relationship between hippocampal-dependent task performance and hippocampal grey matter myelination and iron content. <i>Brain and Neuroscience Advances</i> , 2021, 5, 239821282110119.	3.4	7
130	The distinct and overlapping brain networks supporting semantic and spatial constructive scene processing. <i>Neuropsychologia</i> , 2021, 158, 107912.	1.6	7
131	The Effect of Object Type on Building Scene Imagery—An MEG Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 592175.	2.0	5
132	Reducing Susceptibility Distortion Related Image Blurring in Diffusion MRI EPI Data. <i>Frontiers in Neuroscience</i> , 2021, 15, 706473.	2.8	5
133	Manipulating the temporal locus and content of mind-wandering. <i>Consciousness and Cognition</i> , 2020, 79, 102885.	1.5	4
134	Universal pulses for homogeneous excitation using single channel coils. <i>Magnetic Resonance Imaging</i> , 2022, 92, 180-186.	1.8	2
135	Patterns of hippocampal-cortical interaction dissociate temporal lobe memory subsystems. , 2000, 10, 475.		1
136	Watching Movies Unfold, a Frame-by-Frame Analysis of the Associated Neural Dynamics. <i>ENeuro</i> , 2021, 8, ENEURO.0099-21.2021.	1.9	0