

Hugo J Spiers

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5646532/hugo-j-spiers-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

6,911
citations

38
h-index

83
g-index

111
ext. papers

8,263
ext. citations

8
avg, IF

6.23
L-index

#	Paper	IF	Citations
84	Spatial goal coding in the hippocampal formation.. <i>Neuron</i> , 2022 ,	13.9	4
83	Entropy of city street networks linked to future spatial navigation ability.. <i>Nature</i> , 2022 ,	50.4	9
82	London taxi drivers: A review of neurocognitive studies and an exploration of how they build their cognitive map of London.. <i>Hippocampus</i> , 2022 , 32, 3-20	3.5	1
81	Extending neural systems for navigation to hunting behavior.. <i>Current Opinion in Neurobiology</i> , 2022 , 73, 102545	7.6	1
80	Hippocampal place cells encode global location but not connectivity in a complex space. <i>Current Biology</i> , 2021 , 31, 1221-1233.e9	6.3	13
79	The Versatile Wayfinder: Prefrontal Contributions to Spatial Navigation. <i>Trends in Cognitive Sciences</i> , 2021 , 25, 520-533	14	15
78	Computer models of saliency alone fail to predict subjective visual attention to landmarks during observed navigation. <i>Spatial Cognition and Computation</i> , 2021 , 21, 39-66	1.3	2
77	Explaining World-Wide Variation in Navigation Ability from Millions of People: Citizen Science Project Sea Hero Quest. <i>Topics in Cognitive Science</i> , 2021 ,	2.5	6
76	The Hippocampal Cognitive Map: One Space or Many?. <i>Trends in Cognitive Sciences</i> , 2020 , 24, 168-170	14	12
75	Striatal and hippocampal contributions to flexible navigation in rats and humans. <i>Brain and Neuroscience Advances</i> , 2020 , 4, 2398212820979772	4	11
74	Test-retest reliability of spatial navigation in adults at-risk of Alzheimer's disease. <i>PLoS ONE</i> , 2020 , 15, e0239077	3.7	5
73	Exposure to high-rise buildings negatively influences affect: evidence from real world and 360-degree video. <i>Cities and Health</i> , 2020 , 1-13	2.8	1
72	Toward personalized cognitive diagnostics of at-genetic-risk Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 9285-9292	11.5	54
71	Prefrontal Dynamics Associated with Efficient Detours and Shortcuts: A Combined Functional Magnetic Resonance Imaging and Magnetoencephalography Study. <i>Journal of Cognitive Neuroscience</i> , 2019 , 31, 1227-1247	3.1	13
70	Virtual navigation tested on a mobile app is predictive of real-world wayfinding navigation performance. <i>PLoS ONE</i> , 2019 , 14, e0213272	3.7	53
69	Hippocampal and Retrosplenial Goal Distance Coding After Long-term Consolidation of a Real-World Environment. <i>Cerebral Cortex</i> , 2019 , 29, 2748-2758	5.1	33
68	Cognitive mapping style relates to posterior-anterior hippocampal volume ratio. <i>Hippocampus</i> , 2019 , 29, 748-754	3.5	16

67	Backtracking during navigation is correlated with enhanced anterior cingulate activity and suppression of alpha oscillations and the Default-mode network. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191016	4.4	11
66	Sculptors, Architects, and Painters Conceive of Depicted Spaces Differently. <i>Cognitive Science</i> , 2018 , 42, 524-553	2.2	15
65	Global Determinants of Navigation Ability. <i>Current Biology</i> , 2018 , 28, 2861-2866.e4	6.3	118
64	Human Spatial Navigation 2018 ,		35
63	Hippocampal CA1 activity correlated with the distance to the goal and navigation performance. <i>Hippocampus</i> , 2018 , 28, 644-658	3.5	21
62	Diagnostic relevance of spatial orientation for vascular dementia: A case study. <i>Dementia E Neuropsychologia</i> , 2018 , 12, 85-91	2.1	10
61	Contracted time and expanded space: The impact of circumnavigation on judgements of space and time. <i>Cognition</i> , 2017 , 166, 425-432	3.5	24
60	Human Navigation: Occipital Place Area Detects Potential Paths in a Scene. <i>Current Biology</i> , 2017 , 27, R599-R600	6.3	7
59	Spatial Cognition: Goal-Vector Cells in the Bat Hippocampus. <i>Current Biology</i> , 2017 , 27, R239-R241	6.3	5
58	Hippocampal and prefrontal processing of network topology to simulate the future. <i>Nature Communications</i> , 2017 , 8, 14652	17.4	85
57	The cognitive map in humans: spatial navigation and beyond. <i>Nature Neuroscience</i> , 2017 , 20, 1504-1513	25.5	279
56	Egocentric versus Allocentric Spatial Memory in Behavioral Variant Frontotemporal Dementia and Alzheimer's Disease. <i>Journal of Alzheimers Disease</i> , 2017 , 59, 883-892	4.3	40
55	Oscillatory Reinstatement Enhances Declarative Memory. <i>Journal of Neuroscience</i> , 2017 , 37, 9939-9944	6.6	19
54	Anterior Temporal Lobe Tracks the Formation of Prejudice. <i>Journal of Cognitive Neuroscience</i> , 2017 , 29, 530-544	3.1	17
53	Familiarity expands space and contracts time. <i>Hippocampus</i> , 2017 , 27, 12-16	3.5	17
52	Manipulating Hippocampus-Dependent Memories: To Enhance, Delete or Incept? 2017 , 123-137		2
51	Cracking the mnemonic code. <i>Nature Neuroscience</i> , 2016 , 20, 8-9	25.5	
50	Semantic representations in the temporal pole predict false memories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10180-5	11.5	49

49	Does the Hippocampus Map Out the Future?. <i>Trends in Cognitive Sciences</i> , 2016 , 20, 167-169	14	13
48	Neural Mechanisms of Hierarchical Planning in a Virtual Subway Network. <i>Neuron</i> , 2016 , 90, 893-903	13.9	66
47	Spatial Cognition: Finding the Boundary in the Occipital Place Area. <i>Current Biology</i> , 2016 , 26, R323-5	6.3	3
46	Chronologically organized structure in autobiographical memory search. <i>Frontiers in Psychology</i> , 2015 , 6, 338	3.4	5
45	Sleep enhances a spatially mediated generalization of learned values. <i>Learning and Memory</i> , 2015 , 22, 532-6	2.8	10
44	A goal direction signal in the human entorhinal/subicular region. <i>Current Biology</i> , 2015 , 25, 87-92	6.3	85
43	Solving the detour problem in navigation: a model of prefrontal and hippocampal interactions. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 125	3.3	43
42	Neuroscience: teleporting mind into body and space. <i>Current Biology</i> , 2015 , 25, R448-50	6.3	4
41	Neural systems supporting navigation. <i>Current Opinion in Behavioral Sciences</i> , 2015 , 1, 47-55	4	77
40	Place field repetition and purely local remapping in a multicompartiment environment. <i>Cerebral Cortex</i> , 2015 , 25, 10-25	5.1	78
39	Hippocampal place cells construct reward related sequences through unexplored space. <i>ELife</i> , 2015 , 4, e06063	8.9	140
38	Enhance, delete, incept: manipulating hippocampus-dependent memories. <i>Brain Research Bulletin</i> , 2014 , 105, 2-7	3.9	50
37	Transcranial electrical brain stimulation modulates neuronal tuning curves in perception of numerosity and duration. <i>NeuroImage</i> , 2014 , 102 Pt 2, 451-7	7.9	17
36	The hippocampus and entorhinal cortex encode the path and Euclidean distances to goals during navigation. <i>Current Biology</i> , 2014 , 24, 1331-1340	6.3	161
35	A local anchor for the brain's compass. <i>Nature Neuroscience</i> , 2014 , 17, 1436-7	25.5	6
34	Dissociation between dorsal and ventral posterior parietal cortical responses to incidental changes in natural scenes. <i>PLoS ONE</i> , 2013 , 8, e67988	3.7	14
33	Double dissociation between hippocampal and parahippocampal responses to object-background context and scene novelty. <i>Journal of Neuroscience</i> , 2011 , 31, 5253-61	6.6	107
32	Talent in the taxi: a model system for exploring expertise. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009 , 364, 1407-16	5.8	47

31	The dynamic nature of cognition during wayfinding. <i>Journal of Environmental Psychology</i> , 2008 , 28, 232-249		107
30	Keeping the goal in mind: prefrontal contributions to spatial navigation. <i>Neuropsychologia</i> , 2008 , 46, 2106-8	3.2	40
29	A navigational guidance system in the human brain. <i>Hippocampus</i> , 2007 , 17, 618-26	3.5	155
28	Impaired spatial and non-spatial configural learning in patients with hippocampal pathology. <i>Neuropsychologia</i> , 2007 , 45, 2699-711	3.2	34
27	Decoding human brain activity during real-world experiences. <i>Trends in Cognitive Sciences</i> , 2007 , 11, 356-65		140
26	The neuroscience of remote spatial memory: a tale of two cities. <i>Neuroscience</i> , 2007 , 149, 7-27	3.9	92
25	Neural substrates of driving behaviour. <i>NeuroImage</i> , 2007 , 36, 245-55	7.9	124
24	Spontaneous mentalizing during an interactive real world task: an fMRI study. <i>Neuropsychologia</i> , 2006 , 44, 1674-82	3.2	97
23	London taxi drivers and bus drivers: a structural MRI and neuropsychological analysis. <i>Hippocampus</i> , 2006 , 16, 1091-101	3.5	574
22	Navigation around London by a taxi driver with bilateral hippocampal lesions. <i>Brain</i> , 2006 , 129, 2894-907	11.2	221
21	Thoughts, behaviour, and brain dynamics during navigation in the real world. <i>NeuroImage</i> , 2006 , 31, 1826-40	7.9	257
20	Part or parcel? Contextual binding of events in episodic memory 2006 , 52-83		4
19	Anterior prefrontal involvement in episodic retrieval reflects contextual interference. <i>NeuroImage</i> , 2005 , 28, 256-67	7.9	40
18	Specialization in the medial temporal lobe for processing of objects and scenes. <i>Hippocampus</i> , 2005 , 15, 782-97	3.5	243
17	Oriental manoeuvres in the dark: dissociating allocentric and egocentric influences on spatial memory. <i>Cognition</i> , 2004 , 94, 149-66	3.5	111
16	Navigation expertise and the human hippocampus: a structural brain imaging analysis. <i>Hippocampus</i> , 2003 , 13, 250-9	3.5	252
15	Prefrontal and medial temporal lobe interactions in long-term memory. <i>Nature Reviews Neuroscience</i> , 2003 , 4, 637-48	13.5	713
14	The well-worn route and the path less traveled: distinct neural bases of route following and wayfinding in humans. <i>Neuron</i> , 2003 , 37, 877-88	13.9	658

13	Unilateral temporal lobectomy patients show lateralized topographical and episodic memory deficits in a virtual town. <i>Brain</i> , 2001 , 124, 2476-89	11.2	228
12	Bilateral hippocampal pathology impairs topographical and episodic memory but not visual pattern matching. <i>Hippocampus</i> , 2001 , 11, 715-25	3.5	166
11	Path integration following temporal lobectomy in humans. <i>Neuropsychologia</i> , 2001 , 39, 452-64	3.2	63
10	Hippocampal amnesia. <i>Neurocase</i> , 2001 , 7, 357-82	0.8	212
9	A temporoparietal and prefrontal network for retrieving the spatial context of lifelike events. <i>NeuroImage</i> , 2001 , 14, 439-53	7.9	404
8	What determines a boundary for navigating a complex street network: evidence from London taxi drivers. <i>Journal of Navigation</i> , 1-20	2.3	2
7	Spotting the path that leads nowhere: Modulation of human theta and alpha oscillations induced by trajectory changes during navigation		1
6	Long-term consolidation switches goal proximity coding from hippocampus to retrosplenial cortex		4
5	Global determinants of navigation ability		4
4	Cities have a negative impact on navigation ability: evidence from 38 countries		7
3	Predictive Maps in Rats and Humans for Spatial Navigation: The Successor Representation Explains Flexible Behaviour		4
2	Virtual navigation tested on a mobile app is predictive of real-world wayfinding navigation performance		5
1	Learning The Knowledge: How London Taxi Drivers Build Their Cognitive Map of London		2