Jan M Wiener

List of Publications by Year
in descending order

66 papers	3,026 citations	236925 25 h-index	182427 51 g-index
67 all docs	67 docs citations	67 times ranked	2382 citing authors

#	Article	IF	Citations
1	The Aging Navigational System. Neuron, 2017, 95, 1019-1035.	8.1	256
2	Taxonomy of Human Wayfinding Tasks: A Knowledge-Based Approach. Spatial Cognition and Computation, 2009, 9, 152-165.	1.2	237
3	Differential Recruitment of the Hippocampus, Medial Prefrontal Cortex, and the Human Motion Complex during Path Integration in Humans. Journal of Neuroscience, 2007, 27, 9408-9416.	3.6	197
4	Global Determinants of Navigation Ability. Current Biology, 2018, 28, 2861-2866.e4.	3.9	196
5	Challenges for identifying the neural mechanisms that support spatial navigation: the impact of spatial scale. Frontiers in Human Neuroscience, 2014, 8, 571.	2.0	192
6	Would you follow your own route description? Cognitive strategies in urban route planning. Cognition, 2011, 121, 228-247.	2.2	146
7	'Fine-to-Coarse' Route Planning and Navigation in Regionalized Environments. Spatial Cognition and Computation, 2003, 3, 331-358.	1.2	144
8	Maladaptive Bias for Extrahippocampal Navigation Strategies in Aging Humans. Journal of Neuroscience, 2013, 33, 6012-6017.	3.6	127
9	Virtual navigation tested on a mobile app is predictive of real-world wayfinding navigation performance. PLoS ONE, 2019, 14, e0213272.	2.5	106
10	Gaze behaviour during space perception and spatial decision making. Psychological Research, 2012, 76, 713-729.	1.7	103
11	Aging specifically impairs switching to an allocentric navigational strategy. Frontiers in Aging Neuroscience, 2012, 4, 29.	3.4	94
12	Adaptive LÃ©vy Processes and Area-Restricted Search in Human Foraging. PLoS ONE, 2013, 8, e60488.	2.5	90
13	Use and interaction of navigation strategies in regionalized environments. Journal of Environmental Psychology, 2004, 24, 475-493.	5.1	79
14	Route repetition and route retracing: effects of cognitive aging. Frontiers in Aging Neuroscience, 2012, 4, 7.	3.4	79
15	Dissociable cognitive mechanisms underlying human path integration. Experimental Brain Research, 2011, 208, 61-71.	1.5	72
16	From Space Syntax to Space Semantics: A Behaviorally and Perceptually Oriented Methodology for the Efficient Description of the Geometry and Topology of Environments. Environment and Planning B: Planning and Design, 2008, 35, 574-592.	1.7	65
17	Context and occasion setting in Drosophila visual learning. Learning and Memory, 2006, 13, 618-628.	1.3	54
18	Planning paths to multiple targets: memory involvement and planning heuristics in spatial problem solving. Psychological Research, 2009, 73, 644-658.	1.7	50

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19	Isovist Analysis Captures Properties of Space Relevant for Locomotion and Experience. Perception, 2007, 36, 1066-1083.	1.2	48
20	Decreasing spatial disorientation in care-home settings: How psychology can guide the development of dementia friendly design guidelines. Dementia, 2017, 16, 315-328.	2.0	45
21	Path Complexity Does Not Impair Visual Path Integration. Spatial Cognition and Computation, 2006, 6, 333-346.	1.2	41
22	Virtual environments as memory training devices in navigational tasks for older adults. Scientific Reports, 2018, 8, 10809.	3.3	41
23	Can People Not Tell Left from Right in VR? Point-to-origin Studies Revealed Qualitative Errors in Visual Path Integration. , 2007, , .		37
24	Isovists as a Means to Predict Spatial Experience and Behavior. Lecture Notes in Computer Science, 2005, , 42-57.	1.3	35
25	The integration of spatial information across different viewpoints. Memory and Cognition, 2011, 39, 1042-1054.	1.6	35
26	The verbalization of multiple strategies in a variant of the traveling salesperson problem. Cognitive Processing, 2009, 10, 143-161.	1.4	32
27	A novel virtual-reality-based route-learning test suite: Assessing the effects of cognitive aging on navigation. Behavior Research Methods, 2020, 52, 630-640.	4.0	28
28	How do we get there? Effects of cognitive aging on route memory. Memory and Cognition, 2018, 46, 274-284.	1.6	25
29	Evidence for ageâ€related deficits in objectâ€location binding during place recognition. Hippocampus, 2019, 29, 971-979.	1.9	22
30	Human place and response learning: navigation strategy selection, pupil size and gaze behavior. Psychological Research, 2016, 80, 82-93.	1.7	19
31	Ageing- and dementia-friendly design: theory and evidence from cognitive psychology, neuropsychology and environmental psychology can contribute to design guidelines that minimise spatial disorientation. Cognitive Processing, 2021, 22, 715-730.	1.4	19
32	The Effects of Attentional Engagement on Route Learning Performance in a Virtual Environment: An Aging Study. Frontiers in Aging Neuroscience, 2017, 9, 235.	3.4	18
33	Path planning under spatial uncertainty. Memory and Cognition, 2008, 36, 495-504.	1.6	17
34	Are age-related deficits in route learning related to control of visual attention?. Psychological Research, 2020, 84, 1473-1484.	1.7	17
35	Age-related differences in visual encoding and response strategies contribute to spatial memory deficits. Memory and Cognition, 2021, 49, 249-264.	1.6	17
36	This Place Looks Familiarâ€"How Navigators Distinguish Places with Ambiguous Landmark Objects When Learning Novel Routes. Frontiers in Psychology, 2015, 6, 1936.	2.1	15

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37	â€˜All the corridors are the sameâ€™: a qualitative study of the orientation experiences and design preferences of UK older adults living in a communal retirement development. Ageing and Society, 2018, 38, 1791-1816.	1.7	15
38	The contribution of visual attention and declining verbal memory abilities to age-related route learning deficits. Cognition, 2019, 187, 50-61.	2.2	15
39	Differences in navigation performance and postpartal striatal volume associated with pregnancy in humans. Neurobiology of Learning and Memory, 2016, 134, 400-407.	1.9	14
40	Route Learning Strategies in a Virtual Cluttered Environment. Lecture Notes in Computer Science, 2008, , 104-120.	1.3	14
41	London taxi drivers: A review of neurocognitive studies and an exploration of how they build their cognitive map of London. Hippocampus, 2022, 32, 3-20.	1.9	14
42	Impairment in active navigation from trauma and Post-Traumatic Stress Disorder. Neurobiology of Learning and Memory, 2017, 140, 114-123.	1.9	13
43	The Impact of the Brain-Derived Neurotrophic Factor Gene on Trauma and Spatial Processing. Journal of Clinical Medicine, 2017, 6, 108.	2.4	13
44	The impact of cognitive aging on route learning rate and the acquisition of landmark knowledge. Cognition, 2021, 207, 104524.	2.2	13
45	Can Camera Motions Improve the Perception of Traveled Distance in Virtual Environments?. Virtual Reality Conference (VR), Proceedings, IEEE, 2009, , .	0.0	12
46	Differences in Encoding Strategy as a Potential Explanation for Age-Related Decline in Place Recognition Ability. Frontiers in Psychology, 2020, 11, 2182.	2.1	11
47	Spatial Navigation and Visuospatial Strategies in Typical and Atypical Aging. Brain Sciences, 2021, 11, 1421.	2.3	11
48	Different Profiles of Spatial Navigation Deficits In Alzheimerâ€™s Disease Biomarker-Positive Versus Biomarker-Negative Older Adults With Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 0, 14, .	3.4	11
49	Serial memory for landmarks encountered during route navigation. Quarterly Journal of Experimental Psychology, 2021, 74, 2137-2153.	1.1	10
50	PTSD recovery, spatial processing, and the val66met polymorphism. Frontiers in Human Neuroscience, 2014, 8, 100.	2.0	9
51	From repeating routes to planning novel routes: the impact of landmarks and ageing on route integration and cognitive mapping. Psychological Research, 2021, 85, 2164-2176.	1.7	8
52	Spatial navigation from same and different directions: The role of executive functions, memory and attention in adults with autism spectrum disorder. Autism Research, 2018, 11, 798-810.	3.8	7
53	Perspective taking and systematic biases in object location memory. Attention, Perception, and Psychophysics, 2021, 83, 2033-2051.	1.3	6
54	Age-related changes in visual encoding strategy preferences during a spatial memory task. Psychological Research, 2022, 86, 404-420.	1.7	6

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55	Wayfinding Strategies in Behavior and Language: A Symmetric and Interdisciplinary Approach to Cognitive Processes. Lecture Notes in Computer Science, 2007, , 401-420.	1.3	6
56	Methodological triangulation to assess sign placement. , 2012, , .		5
57	Route planning with transportation network maps: an eye-tracking study. Psychological Research, 2017, 81, 1020-1034.	1.7	5
58	(Dis)orientation and Design Preferences Within an Unfamiliar Care Environment: A Content Analysis of Older Adultsâ€™ Qualitative Reports After Route Learning. Environment and Behavior, 2022, 54, 116-142.	4.7	4
59	Visuo-attentional strategies in road crossing situations across the lifespan. Journal of Vision, 2018, 18, 242.	0.3	2
60	Point-to-origin experiments in VR revealed novel qualitative errors in visual path integration. , 2006, , .		1
61	â€˜We go for a homely feel â€¦ not the clinical dementia sideâ€™: care home managersâ€™ experiences of supporting residents with dementia to orientate and navigate care environments. Ageing and Society, 0, , 1-27.	1.7	1
62	The role of memory and perspective shifts in systematic biases during object location estimation. Attention, Perception, and Psychophysics, 2022, 84, 1208-1219.	1.3	1
63	Point-to-origin experiments in VR revealed novel qualitative errors in visual path integration. , 2006, , .		0
64	A Minimalistic Model of Visually Guided Obstacle Avoidance and Path Selection Behavior. Lecture Notes in Computer Science, 2008, , 87-103.	1.3	0
65	Investigating the Effect of the Environment on Prey Detection Ability in Humans. Scientific Reports, 2019, 9, 7445.	3.3	0
66	Spatial behavior and linguistic representation: Collaborative interdisciplinary specialized workshop. Journal of Spatial Information Science, 2010, , .	1.2	0