Russell A Epstein

List of Publications by Year
in descending order

67	9,961	87888 38	118850 62
papers	citations	h-index	g-index

71	71	71	5814
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A cortical representation of the local visual environment. Nature, 1998, 392, 598-601.	27.8	2,682
2	Parahippocampal and retrosplenial contributions to human spatial navigation. Trends in Cognitive Sciences, 2008, 12, 388-396.	7.8	844
3	The Parahippocampal Place Area. Neuron, 1999, 23, 115-125.	8.1	719
4	The cognitive map in humans: spatial navigation and beyond. Nature Neuroscience, 2017, 20, 1504-1513.	14.8	545
5	Viewpoint-Specific Scene Representations in Human Parahippocampal Cortex. Neuron, 2003, 37, 865-876.	8.1	321
6	Where Am I Now? Distinct Roles for Parahippocampal and Retrosplenial Cortices in Place Recognition. Journal of Neuroscience, 2007, 27, 6141-6149.	3.6	303
7	Perceptual deficits in amnesia: challenging the medial temporal lobe â€˜mnemonicâ€™ view. Neuropsychologia, 2005, 43, 1-11.	1.6	289
8	Anchoring the neural compass: coding of local spatial reference frames in human medial parietal lobe. Nature Neuroscience, 2014, 17, 1598-1606.	14.8	229
9	Distances between Real-World Locations Are Represented in the Human Hippocampus. Journal of Neuroscience, 2011, 31, 1238-1245.	3.6	181
10	Hippocampal size predicts rapid learning of a cognitive map in humans. Hippocampus, 2013, 23, 515-528.	1.9	176
11	Scene Perception in the Human Brain. Annual Review of Vision Science, 2019, 5, 373-397.	4.4	173
12	Variations in cognitive maps: Understanding individual differences in navigation.. Journal of Experimental Psychology: Learning Memory and Cognition, 2014, 40, 669-682.	0.9	172
13	Constructing scenes from objects in human occipitotemporal cortex. Nature Neuroscience, 2011, 14, 1323-1329.	14.8	151
14	Coding of navigational affordances in the human visual system. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4793-4798.	7.1	149
15	Learning Places from Views: Variation in Scene Processing as a Function of Experience and Navigational Ability. Journal of Cognitive Neuroscience, 2005, 17, 73-83.	2.3	145
16	Differential Parahippocampal and Retrosplenial Involvement in Three Types of Visual Scene Recognition. Cerebral Cortex, 2007, 17, 1680-1693.	2.9	140
17	Neural systems for landmark-based wayfinding in humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20120533.	4.0	137
18	Visual Scene Processing in Familiar and Unfamiliar Environments. Journal of Neurophysiology, 2007, 97, 3670-3683.	1.8	132

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19	Neuropsychological evidence for a topographical learning mechanism in parahippocampal cortex. Cognitive Neuropsychology, 2001, 18, 481-508.	1.1	131
20	The Occipital Place Area Is Causally Involved in Representing Environmental Boundaries during Navigation. Current Biology, 2016, 26, 1104-1109.	3.9	129
21	Abstract Representations of Location and Facing Direction in the Human Brain. Journal of Neuroscience, 2013, 33, 6133-6142.	3.6	125
22	Decoding the Representation of Multiple Simultaneous Objects in Human Occipitotemporal Cortex. Current Biology, 2009, 19, 943-947.	3.9	120
23	Human entorhinal cortex represents visual space using a boundary-anchored grid. Nature Neuroscience, 2018, 21, 191-194.	14.8	119
24	Structuring Knowledge with Cognitive Maps and Cognitive Graphs. Trends in Cognitive Sciences, 2021, 25, 37-54.	7.8	114
25	Outside Looking In: Landmark Generalization in the Human Navigational System. Journal of Neuroscience, 2015, 35, 14896-14908.	3.6	111
26	Multiple Object Properties Drive Scene-Selective Regions. Cerebral Cortex, 2014, 24, 883-897.	2.9	110
27	Cortical correlates of face and scene inversion: A comparison. Neuropsychologia, 2006, 44, 1145-1158.	1.6	104
28	The cortical basis of visual scene processing. Visual Cognition, 2005, 12, 954-978.	1.6	101
29	Neural correlates of real-world route learning. NeuroImage, 2010, 53, 725-735.	4.2	92
30	How Reliable Are Visual Context Effects in the Parahippocampal Place Area?. Cerebral Cortex, 2010, 20, 294-303.	2.9	88
31	Computational mechanisms underlying cortical responses to the affordance properties of visual scenes. PLoS Computational Biology, 2018, 14, e1006111.	3.2	79
32	Two Kinds of fMRI Repetition Suppression? Evidence for Dissociable Neural Mechanisms. Journal of Neurophysiology, 2008, 99, 2877-2886.	1.8	77
33	The Neurocognitive Basis of Spatial Reorientation. Current Biology, 2018, 28, R1059-R1073.	3.9	75
34	The Neural-Cognitive Basis of the Jamesian Stream of Thought. Consciousness and Cognition, 2000, 9, 550-575.	1.5	72
35	Position Selectivity in Scene- and Object-Responsive Occipitotemporal Regions. Journal of Neurophysiology, 2007, 98, 2089-2098.	1.8	71
36	Environmental Geometry Aligns the Hippocampal Map during Spatial Reorientation. Current Biology, 2017, 27, 309-317.	3.9	66

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37	Neural responses to visual scenes reveals inconsistencies between fMRI adaptation and multivoxel pattern analysis. Neuropsychologia, 2012, 50, 530-543.	1.6	60
38	Neural Representations of Observed Actions Generalize across Static and Dynamic Visual Input. Journal of Neuroscience, 2017, 37, 3056-3071.	3.6	48
39	Temporal Components in the Parahippocampal Place Area Revealed by Human Intracerebral Recordings. Journal of Neuroscience, 2013, 33, 10123-10131.	3.6	44
40	Environmental deformations dynamically shift the grid cell spatial metric. ELife, 2018, 7, .	6.0	44
41	Common Neural Representations for Visually Guided Reorientation and Spatial Imagery. Cerebral Cortex, 2017, 27, bhv343.	2.9	43
42	Consciousness, art, and the brain: Lessons from Marcel Proust. Consciousness and Cognition, 2004, 13, 213-240.	1.5	42
43	Object representations in the human brain reflect the co-occurrence statistics of vision and language. Nature Communications, 2021, 12, 4081.	12.8	41
44	Schematic representations of local environmental space guide goal-directed navigation. Cognition, 2017, 158, 68-80.	2.2	37
45	Place recognition and heading retrieval are mediated by dissociable cognitive systems in mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6503-6508.	7.1	36
46	Rectilinear Edge Selectivity Is Insufficient to Explain the Category Selectivity of the Parahippocampal Place Area. Frontiers in Human Neuroscience, 2016, 10, 137.	2.0	33
47	Neural Systems for Visual Scene Recognition. , 2014, , 105-134.		33
48	Verbalizing, visualizing, and navigating: The effect of strategies on encoding a large-scale virtual environment.. Journal of Experimental Psychology: Learning Memory and Cognition, 2017, 43, 611-621.	0.9	28
49	Coding of Object Size and Object Category in Human Visual Cortex. Cerebral Cortex, 2016, 27, bhw150.	2.9	25
50	Scene Areas in Humans and Macaques. Neuron, 2013, 79, 615-617.	8.1	21
51	The engagement of mid-ventrolateral prefrontal cortex and posterior brain regions in intentional cognitive activity. Human Brain Mapping, 2008, 29, 107-119.	3.6	19
52	Cognitive Neuroscience: Scene Layout from Vision and Touch. Current Biology, 2011, 21, R437-R438.	3.9	17
53	Environmental deformations dynamically shift human spatial memory. Hippocampus, 2021, 31, 89-101.	1.9	17
54	The parahippocampal place area and hippocampus encode the spatial significance of landmark objects. NeuroImage, 2021, 236, 118081.	4.2	17

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55	The human brain uses spatial schemas to represent segmented environments. Current Biology, 2021, 31, 4677-4688.e8.	3.9	16
56	Eye-centered encoding of visual space in scene-selective regions. Journal of Vision, 2010, 10, 6-6.	0.3	14
57	Dissociable spatial memory systems revealed by typical and atypical human development. Developmental Science, 2019, 22, e12737.	2.4	11
58	Adaptation decorrelates shape representations. Nature Communications, 2018, 9, 3812.	12.8	9
59	Early Electrophysiological Markers of Navigational Affordances in Scenes. Journal of Cognitive Neuroscience, 2022, 34, 397-410.	2.3	9
60	Expectation modulates repetition priming under high stimulus variability. Journal of Vision, 2017, 17, 10.	0.3	8
61	Making a scene in the brain. , 0, , 255-279.		7
62	Substantive Thoughts about Substantive Thoughts: A Reply to Galin. Consciousness and Cognition, 2000, 9, 584-590.	1.5	6
63	Early electrophysiological markers of navigational affordances in scenes. Journal of Vision, 2018, 18, 733.	0.3	1
64	Evidence for a grid-like representation of visual space in humans. Journal of Vision, 2017, 17, 307.	0.3	0
65	What lies beyond: Representations of the connectivity structure of the local environment. Journal of Vision, 2019, 19, 161b.	0.3	0
66	Parahippocampal cortex represents the natural statistics of object context. Journal of Vision, 2019, 19, 115.	0.3	0
67	fMRI encoding model of virtual navigation. Journal of Vision, 2019, 19, 246a.	0.3	0