Russell A Epstein

List of Publications by Year
in descending order

67 papers	9,961 citations	87723 38 h-index	118652 62 g-index
71 all docs	71 docs citations	71 times ranked	5814 citing authors

#	Article	IF	Citations
1	Early Electrophysiological Markers of Navigational Affordances in Scenes. Journal of Cognitive Neuroscience, 2022, 34, 397-410.	1.1	9
2	Structuring Knowledge with Cognitive Maps and Cognitive Graphs. Trends in Cognitive Sciences, 2021, 25, 37-54.	4.0	114
3	Environmental deformations dynamically shift human spatial memory. Hippocampus, 2021, 31, 89-101.	0.9	17
4	Object representations in the human brain reflect the co-occurrence statistics of vision and language. Nature Communications, 2021, 12, 4081.	5.8	41
5	The parahippocampal place area and hippocampus encode the spatial significance of landmark objects. NeuroImage, 2021, 236, 118081.	2.1	17
6	The human brain uses spatial schemas to represent segmented environments. Current Biology, 2021, 31, 4677-4688.e8.	1.8	16
7	Scene Perception in the Human Brain. Annual Review of Vision Science, 2019, 5, 373-397.	2.3	173
8	Dissociable spatial memory systems revealed by typical and atypical human development. Developmental Science, 2019, 22, e12737.	1.3	11
9	What lies beyond: Representations of the connectivity structure of the local environment. Journal of Vision, 2019, 19, 161b.	0.1	0
10	Parahippocampal cortex represents the natural statistics of object context. Journal of Vision, 2019, 19, 115.	0.1	0
11	fMRI encoding model of virtual navigation. Journal of Vision, 2019, 19, 246a.	0.1	0
12	Human entorhinal cortex represents visual space using a boundary-anchored grid. Nature Neuroscience, 2018, 21, 191-194.	7.1	119
13	Adaptation decorrelates shape representations. Nature Communications, 2018, 9, 3812.	5.8	9
14	The Neurocognitive Basis of Spatial Reorientation. Current Biology, 2018, 28, R1059-R1073.	1.8	75
15	Computational mechanisms underlying cortical responses to the affordance properties of visual scenes. PLoS Computational Biology, 2018, 14, e1006111.	1.5	79
16	Environmental deformations dynamically shift the grid cell spatial metric. ELife, 2018, 7, .	2.8	44
17	Early electrophysiological markers of navigational affordances in scenes. Journal of Vision, 2018, 18, 733.	0.1	1
18	Common Neural Representations for Visually Guided Reorientation and Spatial Imagery. Cerebral Cortex, 2017, 27, bhv343.	1.6	43

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19	Environmental Geometry Aligns the Hippocampal Map during Spatial Reorientation. Current Biology, 2017, 27, 309-317.	1.8	66
20	Neural Representations of Observed Actions Generalize across Static and Dynamic Visual Input. Journal of Neuroscience, 2017, 37, 3056-3071.	1.7	48
21	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.	3.3	149
22	The cognitive map in humans: spatial navigation and beyond. Nature Neuroscience, 2017, 20, 1504-1513.	7.1	545
23	Schematic representations of local environmental space guide goal-directed navigation. Cognition, 2017, 158, 68-80.	1.1	37
24	Expectation modulates repetition priming under high stimulus variability. Journal of Vision, 2017, 17, 10.	0.1	8
25	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.	0.7	28
26	Evidence for a grid-like representation of visual space in humans. Journal of Vision, 2017, 17, 307.	0.1	0
27	Rectilinear Edge Selectivity Is Insufficient to Explain the Category Selectivity of the Parahippocampal Place Area. Frontiers in Human Neuroscience, 2016, 10, 137.	1.0	33
28	Coding of Object Size and Object Category in Human Visual Cortex. Cerebral Cortex, 2016, 27, bhw150.	1.6	25
29	The Occipital Place Area Is Causally Involved in Representing Environmental Boundaries during Navigation. Current Biology, 2016, 26, 1104-1109.	1.8	129
30	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.	3.3	36
31	Outside Looking In: Landmark Generalization in the Human Navigational System. Journal of Neuroscience, 2015, 35, 14896-14908.	1.7	111
32	Multiple Object Properties Drive Scene-Selective Regions. Cerebral Cortex, 2014, 24, 883-897.	1.6	110
33	Anchoring the neural compass: coding of local spatial reference frames in human medial parietal lobe. Nature Neuroscience, 2014, 17, 1598-1606.	7.1	229
34	Neural systems for landmark-based wayfinding in humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20120533.	1.8	137
35	Variations in cognitive maps: Understanding individual differences in navigation.. Journal of Experimental Psychology: Learning Memory and Cognition, 2014, 40, 669-682.	0.7	172
36	Neural Systems for Visual Scene Recognition. , 2014, , 105-134.		33

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37	Scene Areas in Humans and Macaques. Neuron, 2013, 79, 615-617.	3.8	21
38	Temporal Components in the Parahippocampal Place Area Revealed by Human Intracerebral Recordings. Journal of Neuroscience, 2013, 33, 10123-10131.	1.7	44
39	Abstract Representations of Location and Facing Direction in the Human Brain. Journal of Neuroscience, 2013, 33, 6133-6142.	1.7	125
40	Hippocampal size predicts rapid learning of a cognitive map in humans. Hippocampus, 2013, 23, 515-528.	0.9	176
41	Neural responses to visual scenes reveals inconsistencies between fMRI adaptation and multivoxel pattern analysis. Neuropsychologia, 2012, 50, 530-543.	0.7	60
42	Constructing scenes from objects in human occipitotemporal cortex. Nature Neuroscience, 2011, 14, 1323-1329.	7.1	151
43	Cognitive Neuroscience: Scene Layout from Vision and Touch. Current Biology, 2011, 21, R437-R438.	1.8	17
44	Distances between Real-World Locations Are Represented in the Human Hippocampus. Journal of Neuroscience, 2011, 31, 1238-1245.	1.7	181
45	Eye-centered encoding of visual space in scene-selective regions. Journal of Vision, 2010, 10, 6-6.	0.1	14
46	Neural correlates of real-world route learning. NeuroImage, 2010, 53, 725-735.	2.1	92
47	How Reliable Are Visual Context Effects in the Parahippocampal Place Area?. Cerebral Cortex, 2010, 20, 294-303.	1.6	88
48	Decoding the Representation of Multiple Simultaneous Objects in Human Occipitotemporal Cortex. Current Biology, 2009, 19, 943-947.	1.8	120
49	The engagement of mid-ventrolateral prefrontal cortex and posterior brain regions in intentional cognitive activity. Human Brain Mapping, 2008, 29, 107-119.	1.9	19
50	Parahippocampal and retrosplenial contributions to human spatial navigation. Trends in Cognitive Sciences, 2008, 12, 388-396.	4.0	844
51	Two Kinds of fMRI Repetition Suppression? Evidence for Dissociable Neural Mechanisms. Journal of Neurophysiology, 2008, 99, 2877-2886.	0.9	77
52	Position Selectivity in Scene- and Object-Responsive Occipitotemporal Regions. Journal of Neurophysiology, 2007, 98, 2089-2098.	0.9	71
53	Where Am I Now? Distinct Roles for Parahippocampal and Retrosplenial Cortices in Place Recognition. Journal of Neuroscience, 2007, 27, 6141-6149.	1.7	303
54	Differential Parahippocampal and Retrosplenial Involvement in Three Types of Visual Scene Recognition. Cerebral Cortex, 2007, 17, 1680-1693.	1.6	140

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55	Visual Scene Processing in Familiar and Unfamiliar Environments. Journal of Neurophysiology, 2007, 97, 3670-3683.	0.9	132
56	Cortical correlates of face and scene inversion: A comparison. Neuropsychologia, 2006, 44, 1145-1158.	0.7	104
57	Perceptual deficits in amnesia: challenging the medial temporal lobe â€˜mnemonicâ€™ view. Neuropsychologia, 2005, 43, 1-11.	0.7	289
58	Learning Places from Views: Variation in Scene Processing as a Function of Experience and Navigational Ability. Journal of Cognitive Neuroscience, 2005, 17, 73-83.	1.1	145
59	The cortical basis of visual scene processing. Visual Cognition, 2005, 12, 954-978.	0.9	101
60	Consciousness, art, and the brain: Lessons from Marcel Proust. Consciousness and Cognition, 2004, 13, 213-240.	0.8	42
61	Viewpoint-Specific Scene Representations in Human Parahippocampal Cortex. Neuron, 2003, 37, 865-876.	3.8	321
62	Neuropsychological evidence for a topographical learning mechanism in parahippocampal cortex. Cognitive Neuropsychology, 2001, 18, 481-508.	0.4	131
63	The Neural-Cognitive Basis of the Jamesian Stream of Thought. Consciousness and Cognition, 2000, 9, 550-575.	0.8	72
64	Substantive Thoughts about Substantive Thoughts: A Reply to Galin. Consciousness and Cognition, 2000, 9, 584-590.	0.8	6
65	The Parahippocampal Place Area. Neuron, 1999, 23, 115-125.	3.8	719
66	A cortical representation of the local visual environment. Nature, 1998, 392, 598-601.	13.7	2,682
67	Making a scene in the brain. , 0, , 255-279.		7