Paul A Dudchenko

List of Publications by Year
in descending order

27 papers	2,492 citations	471509 17 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	2111 citing authors

#	Article	IF	Citations
1	Hippocampal Neurons Encode Information about Different Types of Memory Episodes Occurring in the Same Location. Neuron, 2000, 27, 623-633.	8.1	839
2	An overview of the tasks used to test working memory in rodents. Neuroscience and Biobehavioral Reviews, 2004, 28, 699-709.	6.1	379
3	Cue control and head direction cells.. Behavioral Neuroscience, 1998, 112, 749-761.	1.2	223
4	Hippocampal Place Cell Instability after Lesions of the Head Direction Cell Network. Journal of Neuroscience, 2003, 23, 9719-9731.	3.6	153
5	Hippocampal CA1 Place Cells Encode Intended Destination on a Maze with Multiple Choice Points. Journal of Neuroscience, 2007, 27, 9769-9779.	3.6	141
6	Understanding Minds in Real-World Environments: Toward a Mobile Cognition Approach. Frontiers in Human Neuroscience, 2016, 10, 694.	2.0	100
7	Place cells on a maze encode routes rather than destinations. ELife, 2016, 5, .	6.0	84
8	Mobile EEG identifies the re-allocation of attention during real-world activity. Scientific Reports, 2019, 9, 15851.	3.3	80
9	The formation of cognitive maps of adjacent environments: Evidence from the head direction cell system.. Behavioral Neuroscience, 2005, 119, 1511-1523.	1.2	69
10	Correlation between head direction cell activity and spatial behavior on a radial arm maze.. Behavioral Neuroscience, 1997, 111, 3-19.	1.2	66
11	Place field repetition and spatial learning in a multicompartment environment. Hippocampus, 2016, 26, 118-134.	1.9	63
12	Lesions of the Head Direction Cell System Increase Hippocampal Place Field Repetition. Current Biology, 2017, 27, 2706-2712.e2.	3.9	52
13	Navigation in Real-World Environments: New Opportunities Afforded by Advances in Mobile Brain Imaging. Frontiers in Human Neuroscience, 2018, 12, 361.	2.0	48
14	Evidence for the use of an internal sense of direction in homing.. Behavioral Neuroscience, 2010, 124, 164-169.	1.2	36
15	Hippocampal place cells encode intended destination, and not a discriminative stimulus, in a conditional Tâ€maze task. Hippocampus, 2012, 22, 534-543.	1.9	35
16	A new perspective on the head direction cell system and spatial behavior. Neuroscience and Biobehavioral Reviews, 2019, 105, 24-33.	6.1	25
17	A boundary vector cell model of place field repetition. Spatial Cognition and Computation, 2018, 18, 217-256.	1.2	24
18	The postsubiculum is necessary for spatial alternation but not for homing by path integration.. Behavioral Neuroscience, 2012, 126, 237-248.	1.2	19

#	Article	IF	Citations
19	Field repetition and local mapping in the hippocampus and the medial entorhinal cortex. Journal of Neurophysiology, 2017, 118, 2378-2388.	1.8	17
20	The head direction cell system and behavior: The effects of lesions to the lateral mammillary bodies on spatial memory in a novel landmark task and in the water maze.. Behavioral Neuroscience, 2015, 129, 709-719.	1.2	10
21	Navigation without landmarks: Can rats use a sense of direction to return to a home site?. Connection Science, 2005, 17, 107-125.	3.0	7
22	Place fields and the cognitive map. Hippocampus, 2015, 25, 709-712.	1.9	5
23	Does shape matter? Theoretical comment on Jones, Pearce, Davies, Good, and McGregor (2007).. Behavioral Neuroscience, 2007, 121, 1442-1446.	1.2	3
24	Lesions of the head direction cell system impair direction discrimination.. Behavioral Neuroscience, 2019, 133, 602-613.	1.2	3
25	The stimulus control of local enclosures and barriers over head direction and place cell spatial firing. Brain and Behavior, 2021, 11, e02070.	2.2	2
26	Intensity Matters for Musculoskeletal Health: A Cross-Sectional Study on Movement Behaviors of Older Adults from High-Income Scottish and Low-Income South African Communities. International Journal of Environmental Research and Public Health, 2021, 18, 4310.	2.6	2
27	Navigating space in the mammalian brain. Science, 2021, 372, 913-914.	12.6	1