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	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
2	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
3	Navigating space in the mammalian brain. Science, 2021, 372, 913-914.	12.6	1
4	A new perspective on the head direction cell system and spatial behavior. Neuroscience and Biobehavioral Reviews, 2019, 105, 24-33.	6.1	25
5	Mobile EEG identifies the re-allocation of attention during real-world activity. Scientific Reports, 2019, 9, 15851.	3.3	80
6	Lesions of the head direction cell system impair direction discrimination.. Behavioral Neuroscience, 2019, 133, 602-613.	1.2	3
7	A boundary vector cell model of place field repetition. Spatial Cognition and Computation, 2018, 18, 217-256.	1.2	24
8	Navigation in Real-World Environments: New Opportunities Afforded by Advances in Mobile Brain Imaging. Frontiers in Human Neuroscience, 2018, 12, 361.	2.0	48
9	Lesions of the Head Direction Cell System Increase Hippocampal Place Field Repetition. Current Biology, 2017, 27, 2706-2712.e2.	3.9	52
10	Field repetition and local mapping in the hippocampus and the medial entorhinal cortex. Journal of Neurophysiology, 2017, 118, 2378-2388.	1.8	17
11	Place cells on a maze encode routes rather than destinations. ELife, 2016, 5, .	6.0	84
12	Place field repetition and spatial learning in a multicompartment environment. Hippocampus, 2016, 26, 118-134.	1.9	63
13	Understanding Minds in Real-World Environments: Toward a Mobile Cognition Approach. Frontiers in Human Neuroscience, 2016, 10, 694.	2.0	100
14	Place fields and the cognitive map. Hippocampus, 2015, 25, 709-712.	1.9	5
15	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
16	The postsubiculum is necessary for spatial alternation but not for homing by path integration.. Behavioral Neuroscience, 2012, 126, 237-248.	1.2	19
17	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
18	Evidence for the use of an internal sense of direction in homing.. Behavioral Neuroscience, 2010, 124, 164-169.	1.2	36

#	Article	IF	Citations
19	Hippocampal CA1 Place Cells Encode Intended Destination on a Maze with Multiple Choice Points. Journal of Neuroscience, 2007, 27, 9769-9779.	3.6	141
20	Does shape matter? Theoretical comment on Jones, Pearce, Davies, Good, and McGregor (2007).. Behavioral Neuroscience, 2007, 121, 1442-1446.	1.2	3
21	The formation of cognitive maps of adjacent environments: Evidence from the head direction cell system.. Behavioral Neuroscience, 2005, 119, 1511-1523.	1.2	69
22	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
23	An overview of the tasks used to test working memory in rodents. Neuroscience and Biobehavioral Reviews, 2004, 28, 699-709.	6.1	379
24	Hippocampal Place Cell Instability after Lesions of the Head Direction Cell Network. Journal of Neuroscience, 2003, 23, 9719-9731.	3.6	153
25	Hippocampal Neurons Encode Information about Different Types of Memory Episodes Occurring in the Same Location. Neuron, 2000, 27, 623-633.	8.1	839
26	Cue control and head direction cells.. Behavioral Neuroscience, 1998, 112, 749-761.	1.2	223
27	Correlation between head direction cell activity and spatial behavior on a radial arm maze.. Behavioral Neuroscience, 1997, 111, 3-19.	1.2	66