

John O'Keefe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/333725/publications.pdf>

Version: 2024-02-01

23
papers

8,263
citations

430442

18
h-index

676716

22
g-index

27
all docs

27
docs citations

27
times ranked

6657
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase relationship between hippocampal place units and the EEG theta rhythm. <i>Hippocampus</i> , 1993, 3, 317-330.	0.9	2,206
2	Fully integrated silicon probes for high-density recording of neural activity. <i>Nature</i> , 2017, 551, 232-236.	13.7	1,531
3	Dual phase and rate coding in hippocampal place cells: Theoretical significance and relationship to entorhinal grid cells. <i>Hippocampus</i> , 2005, 15, 853-866.	0.9	731
4	An oscillatory interference model of grid cell firing. <i>Hippocampus</i> , 2007, 17, 801-812.	0.9	655
5	Boundary Vector Cells in the Subiculum of the Hippocampal Formation. <i>Journal of Neuroscience</i> , 2009, 29, 9771-9777.	1.7	626
6	Neuropixels 2.0: A miniaturized high-density probe for stable, long-term brain recordings. <i>Science</i> , 2021, 372, .	6.0	467
7	The Boundary Vector Cell Model of Place Cell Firing and Spatial Memory. <i>Reviews in the Neurosciences</i> , 2006, 17, 71-97.	1.4	316
8	Memory for events and their spatial context: models and experiments. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 1493-1503.	1.8	291
9	Grid cell symmetry is shaped by environmental geometry. <i>Nature</i> , 2015, 518, 232-235.	13.7	288
10	Place cells, navigational accuracy, and the human hippocampus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 1333-1340.	1.8	236
11	Do hippocampal pyramidal cells signal non-spatial as well as spatial information?. , 1999, 9, 352-364.		156
12	Neural Representations of Location Composed of Spatially Periodic Bands. <i>Science</i> , 2012, 337, 853-857.	6.0	148
13	Complex sensory properties of certain amygdala units in the freely moving cat. <i>Experimental Neurology</i> , 1969, 23, 384-398.	2.0	129
14	An allocentric spatial model for the hippocampal cognitive map. <i>Hippocampus</i> , 1991, 1, 230-235.	0.9	128
15	Local transformations of the hippocampal cognitive map. <i>Science</i> , 2018, 359, 1143-1146.	6.0	81
16	How environment geometry affects grid cell symmetry and what we can learn from it. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130188.	1.8	52
17	Do hippocampal pyramidal cells respond to nonspatial stimuli?. <i>Physiological Reviews</i> , 2021, 101, 1427-1456.	13.1	49
18	Hippocampal place cells have goal-oriented vector fields during navigation. <i>Nature</i> , 2022, 607, 741-746.	13.7	39

#	ARTICLE	IF	CITATIONS
19	Framing the grid: effect of boundaries on grid cells and navigation. <i>Journal of Physiology</i> , 2016, 594, 6489-6499.	1.3	32
20	Hippocampal theta frequency, novelty, and behavior. <i>Hippocampus</i> , 2009, 19, 409-410.	0.9	11
21	Cognitive maps in infants?. <i>Nature</i> , 1994, 370, 19-20.	13.7	7
22	Worm holes and avian space-time. <i>Nature</i> , 1998, 395, 215-216.	13.7	4
23	Cover Image, Volume 26, Issue 10. <i>Hippocampus</i> , 2016, 26, C1-C1.	0.9	0