

Laura Lee Colgin

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,100
citations

393982

19
h-index

552369

26
g-index

33
all docs

33
docs citations

33
times ranked

3723
citing authors

#	ARTICLE	IF	CITATIONS
1	Hippocampal oscillatory dynamics in freely behaving rats during exploration of social and non-social stimuli. <i>Cognitive Neurodynamics</i> , 2023, 17, 411-429.	2.3	2
2	Hippocampal place cell sequences differ during correct and error trials in a spatial memory task. <i>Nature Communications</i> , 2021, 12, 3373.	5.8	23
3	Five Decades of Hippocampal Place Cells and EEG Rhythms in Behaving Rats. <i>Journal of Neuroscience</i> , 2020, 40, 54-60.	1.7	18
4	CA3 place cells that represent a novel waking experience are preferentially reactivated during sharp wave ripples in subsequent sleep. <i>Hippocampus</i> , 2019, 29, 921-938.	0.9	19
5	The High Energy Cost of Theta-Gamma Activity during REM Sleep. <i>Trends in Neurosciences</i> , 2019, 42, 239-241.	4.2	2
6	Grid cell co-activity patterns during sleep reflect spatial overlap of grid fields during active behaviors. <i>Nature Neuroscience</i> , 2019, 22, 609-617.	7.1	67
7	Cover Image, Volume 29, Issue 10. <i>Hippocampus</i> , 2019, 29, C1.	0.9	0
8	Experience-dependent trends in CA1 theta and slow gamma rhythms in freely behaving mice. <i>Journal of Neurophysiology</i> , 2018, 119, 476-489.	0.9	13
9	Spike Time Synchrony in the Absence of Continuous Oscillations. <i>Neuron</i> , 2018, 100, 527-529.	3.8	3
10	Gamma oscillations in cognitive disorders. <i>Current Opinion in Neurobiology</i> , 2018, 52, 182-187.	2.0	164
11	A neuronal mechanism for recall of bad events. <i>Nature Neuroscience</i> , 2017, 20, 501-503.	7.1	0
12	Impairments in spatial representations and rhythmic coordination of place cells in the 3xTg mouse model of Alzheimer's disease. <i>Hippocampus</i> , 2017, 27, 378-392.	0.9	85
13	Methodological Caveats in the Detection of Coordinated Replay between Place Cells and Grid Cells. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 57.	1.2	21
14	Fast Gamma Rhythms in the Hippocampus Promote Encoding of Novel Object-Place Pairings. <i>ENeuro</i> , 2016, 3, ENEURO.0001-16.2016.	0.9	76
15	Slow gamma rhythms in CA3 are entrained by slow gamma activity in the dentate gyrus. <i>Journal of Neurophysiology</i> , 2016, 116, 2594-2603.	0.9	24
16	Rhythms of the hippocampal network. <i>Nature Reviews Neuroscience</i> , 2016, 17, 239-249.	4.9	495
17	Spatial Sequence Coding Differs during Slow and Fast Gamma Rhythms in the Hippocampus. <i>Neuron</i> , 2016, 89, 398-408.	3.8	130
18	The relationship between gamma frequency and running speed differs for slow and fast gamma rhythms in freely behaving rats. <i>Hippocampus</i> , 2015, 25, 924-938.	0.9	79

#	ARTICLE	IF	CITATIONS
19	Beta and Gamma Rhythms Go with the Flow. <i>Neuron</i> , 2015, 85, 236-237.	3.8	29
20	Do slow and fast gamma rhythms correspond to distinct functional states in the hippocampal network?. <i>Brain Research</i> , 2015, 1621, 309-315.	1.1	82
21	Theta-γ coupling in the entorhinal-hippocampal system. <i>Current Opinion in Neurobiology</i> , 2015, 31, 45-50.	2.0	166
22	Slow and Fast Gamma Rhythms Coordinate Different Spatial Coding Modes in Hippocampal Place Cells. <i>Neuron</i> , 2014, 82, 670-681.	3.8	182
23	Mechanisms and Functions of Theta Rhythms. <i>Annual Review of Neuroscience</i> , 2013, 36, 295-312.	5.0	392
24	Gamma Oscillations in the Hippocampus. <i>Physiology</i> , 2010, 25, 319-329.	1.6	260
25	Frequency of gamma oscillations routes flow of information in the hippocampus. <i>Nature</i> , 2009, 462, 353-357.	13.7	1,206
26	Hippocampal theta rhythms follow the beat of their own drum. <i>Nature Neuroscience</i> , 2009, 12, 1483-1484.	7.1	22
27	Understanding memory through hippocampal remapping. <i>Trends in Neurosciences</i> , 2008, 31, 469-477.	4.2	361
28	Blockade of NMDA receptors enhances spontaneous sharp waves in rat hippocampal slices. <i>Neuroscience Letters</i> , 2005, 385, 46-51.	1.0	29
29	Long-term potentiation is impaired in rat hippocampal slices that produce spontaneous sharp waves. <i>Journal of Physiology</i> , 2004, 558, 953-961.	1.3	104
30	Septal Modulation of Excitatory Transmission in Hippocampus. <i>Journal of Neurophysiology</i> , 2003, 90, 2358-2366.	0.9	32