Antonio FernÃ¡ndez-Ruiz

List of Publications by Year
in descending order

21 papers	2,584 citations	516561 16 h-index	752573 20 g-index
24 all docs	24 docs citations	24 times ranked	2679 citing authors

#	Article	IF	Citations
1	Direct effects of transcranial electric stimulation on brain circuits in rats and humans. Nature Communications, 2018, 9, 483.	5.8	532
2	Theta Phase Segregation of Input-Specific Gamma Patterns in Entorhinal-Hippocampal Networks. Neuron, 2014, 84, 470-485.	3.8	374
3	Long-duration hippocampal sharp wave ripples improve memory. Science, 2019, 364, 1082-1086.	6.0	308
4	Entorhinal-CA3 Dual-Input Control of Spike Timing in the Hippocampus by Theta-Gamma Coupling. Neuron, 2017, 93, 1213-1226.e5.	3.8	233
5	Layer-Specific Physiological Features and Interlaminar Interactions in the Primary Visual Cortex of the Mouse. Neuron, 2019, 101, 500-513.e5.	3.8	191
6	Role of Hippocampal CA2 Region in Triggering Sharp-Wave Ripples. Neuron, 2016, 91, 1342-1355.	3.8	172
7	Hippocampal CA2 sharp-wave ripples reactivate and promote social memory. Nature, 2020, 587, 264-269.	13.7	145
8	Gamma rhythm communication between entorhinal cortex and dentate gyrus neuronal assemblies. Science, 2021, 372, .	6.0	121
9	Spatial coding and physiological properties of hippocampal neurons in the Cornu Ammonis subregions. Hippocampus, 2016, 26, 1593-1607.	0.9	101
10	Schaffer-Specific Local Field Potentials Reflect Discrete Excitatory Events at Gamma Frequency That May Fire Postsynaptic Hippocampal CA1 Units. Journal of Neuroscience, 2012, 32, 5165-5176.	1.7	75
11	Origin of Gamma Frequency Power during Hippocampal Sharp-Wave Ripples. Cell Reports, 2018, 25, 1693-1700.e4.	2.9	61
12	Cytoarchitectonic and Dynamic Origins of Giant Positive Local Field Potentials in the Dentate Gyrus. Journal of Neuroscience, 2013, 33, 15518-15532.	1.7	55
13	Subcircuits of Deep and Superficial CA1 Place Cells Support Efficient Spatial Coding across Heterogeneous Environments. Neuron, 2021, 109, 363-376.e6.	3.8	49
14	Hippocampal Network Dynamics during Rearing Episodes. Cell Reports, 2018, 23, 1706-1715.	2.9	45
15	Extrinsic control and intrinsic computation in the hippocampal CA1 circuit. Neuron, 2022, 110, 658-673.e5.	3.8	42
16	Identifying the synaptic origin of ongoing neuronal oscillations through spatial discrimination of electric fields. Frontiers in Computational Neuroscience, 2013, 7, 5.	1.2	41
17	HectoSTAR Î¼LED Optoelectrodes for Largeâ€Scale, Highâ€Precision In Vivo Optoâ€Electrophysiology. Advanced Science, 2022, 9, e2105414.	5.6	20
18	Utility of the Idling Brain: Abstraction of New Knowledge. Cell, 2019, 178, 513-515.	13.5	4

#	Article	IF	Citations
19	The Rules of Entrainment: Are CA1 Gamma Oscillations Externally Imposed or Locally Governed?. Journal of Neuroscience, 2013, 33, 19045-19047.	1.7	3
20	Distributed Representation of "What" and "Where" Information in the Parahippocampal Region. Journal of Neuroscience, 2016, 36, 8286-8288.	1.7	3
21	Incorporating single cell contribution into network models of ripple generation. Journal of Physiology, 2017, 595, 9-10.	1.3	0