

Antonio Fernández-Ruiz

List of Publications by Year in descending order

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Version: 2024-02-01

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	Extrinsic control and intrinsic computation in the hippocampal CA1 circuit. <i>Neuron</i> , 2022, 110, 658-673.e5.	3.8	42
2	HectoSTAR ¼LED Optoelectrodes for Large-Scale, High-Precision In Vivo Opto-Electrophysiology. <i>Advanced Science</i> , 2022, 9, e2105414.	5.6	20
3	Subcircuits of Deep and Superficial CA1 Place Cells Support Efficient Spatial Coding across Heterogeneous Environments. <i>Neuron</i> , 2021, 109, 363-376.e6.	3.8	49
4	Gamma rhythm communication between entorhinal cortex and dentate gyrus neuronal assemblies. <i>Science</i> , 2021, 372, .	6.0	121
5	Hippocampal CA2 sharp-wave ripples reactivate and promote social memory. <i>Nature</i> , 2020, 587, 264-269.	13.7	145
6	Utility of the Idling Brain: Abstraction of New Knowledge. <i>Cell</i> , 2019, 178, 513-515.	13.5	4
7	Long-duration hippocampal sharp wave ripples improve memory. <i>Science</i> , 2019, 364, 1082-1086.	6.0	308
8	Layer-Specific Physiological Features and Interlaminar Interactions in the Primary Visual Cortex of the Mouse. <i>Neuron</i> , 2019, 101, 500-513.e5.	3.8	191
9	Direct effects of transcranial electric stimulation on brain circuits in rats and humans. <i>Nature Communications</i> , 2018, 9, 483.	5.8	532
10	Origin of Gamma Frequency Power during Hippocampal Sharp-Wave Ripples. <i>Cell Reports</i> , 2018, 25, 1693-1700.e4.	2.9	61
11	Hippocampal Network Dynamics during Rearing Episodes. <i>Cell Reports</i> , 2018, 23, 1706-1715.	2.9	45
12	Entorhinal-CA3 Dual-Input Control of Spike Timing in the Hippocampus by Theta-Gamma Coupling. <i>Neuron</i> , 2017, 93, 1213-1226.e5.	3.8	233
13	Incorporating single cell contribution into network models of ripple generation. <i>Journal of Physiology</i> , 2017, 595, 9-10.	1.3	0
14	Role of Hippocampal CA2 Region in Triggering Sharp-Wave Ripples. <i>Neuron</i> , 2016, 91, 1342-1355.	3.8	172
15	Distributed Representation of "What" and "Where" Information in the Parahippocampal Region. <i>Journal of Neuroscience</i> , 2016, 36, 8286-8288.	1.7	3
16	Spatial coding and physiological properties of hippocampal neurons in the Cornu Ammonis subregions. <i>Hippocampus</i> , 2016, 26, 1593-1607.	0.9	101
17	Theta Phase Segregation of Input-Specific Gamma Patterns in Entorhinal-Hippocampal Networks. <i>Neuron</i> , 2014, 84, 470-485.	3.8	374
18	Cytoarchitectonic and Dynamic Origins of Giant Positive Local Field Potentials in the Dentate Gyrus. <i>Journal of Neuroscience</i> , 2013, 33, 15518-15532.	1.7	55

#	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	Identifying the synaptic origin of ongoing neuronal oscillations through spatial discrimination of electric fields. Frontiers in Computational Neuroscience, 2013, 7, 5.	1.2	41
21	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