

Alfonso Renart

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

2,502
citations

687363

13
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

2449
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuropixels 2.0: A miniaturized high-density probe for stable, long-term brain recordings. <i>Science</i> , 2021, 372, .	12.6	467
2	The mechanistic foundation of Weber's law. <i>Nature Neuroscience</i> , 2019, 22, 1493-1502.	14.8	46
3	State-dependent geometry of population activity in rat auditory cortex. <i>ELife</i> , 2019, 8, .	6.0	14
4	Sensory integration dynamics in a hierarchical network explains choice probabilities in cortical area MT. <i>Nature Communications</i> , 2015, 6, 6177.	12.8	145
5	Variability in neural activity and behavior. <i>Current Opinion in Neurobiology</i> , 2014, 25, 211-220.	4.2	178
6	Bringing the Dynamics of Movement under Control. <i>Neuron</i> , 2014, 82, 1193-1195.	8.1	2
7	Recurrent networks learn to tell time. <i>Nature Neuroscience</i> , 2013, 16, 772-774.	14.8	6
8	Transmission of Population-Coded Information. <i>Neural Computation</i> , 2012, 24, 391-407.	2.2	19
9	How do neurons work together? Lessons from auditory cortex. <i>Hearing Research</i> , 2011, 271, 37-53.	2.0	51
10	Scaling of temporal correlations in densely connected networks of LIF neurons. <i>BMC Neuroscience</i> , 2011, 12, .	1.9	0
11	The Asynchronous State in Cortical Circuits. <i>Science</i> , 2010, 327, 587-590.	12.6	955
12	Theory of Input Spike Auto- and Cross-Correlations and Their Effect on the Response of Spiking Neurons. <i>Neural Computation</i> , 2008, 20, 1651-1705.	2.2	43
13	Mean-Driven and Fluctuation-Driven Persistent Activity in Recurrent Networks. <i>Neural Computation</i> , 2007, 19, 1-46.	2.2	140
14	Robust Spatial Working Memory through Homeostatic Synaptic Scaling in Heterogeneous Cortical Networks. <i>Neuron</i> , 2003, 38, 473-485.	8.1	218
15	Response of Spiking Neurons to Correlated Inputs. <i>Physical Review Letters</i> , 2002, 89, 288101.	7.8	80
16	A model of the IT-PF network in object working memory which includes balanced persistent activity and tuned inhibition. <i>Neurocomputing</i> , 2001, 38-40, 1525-1531.	5.9	47
17	A recurrent model of transformation invariance by association. <i>Neural Networks</i> , 2000, 13, 225-237.	5.9	28
18	Backward Projections in the Cerebral Cortex: Implications for Memory Storage. <i>Neural Computation</i> , 1999, 11, 1349-1388.	2.2	43