

# Ulisse Ferrari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3895018/publications.pdf>

Version: 2024-02-01

25  
papers

339  
citations

1040056

9  
h-index

996975

15  
g-index

36  
all docs

36  
docs citations

36  
times ranked

351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplexed computations in retinal ganglion cells of a single type. <i>Nature Communications</i> , 2017, 8, 1964.	12.8	47
2	Functional ultrasound imaging of deep visual cortex in awake nonhuman primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14453-14463.	7.1	44
3	Cholinergic Switch between Two Types of Slow Waves in Cerebral Cortex. <i>Cerebral Cortex</i> , 2020, 30, 3451-3466.	2.9	32
4	Maximum-entropy models reveal the excitatory and inhibitory correlation structures in cortical neuronal activity. <i>Physical Review E</i> , 2018, 98, 012402.	2.1	29
5	Functional coupling networks inferred from prefrontal cortex activity show experience-related effective plasticity. <i>Network Neuroscience</i> , 2017, 1, 275-301.	2.6	27
6	DnaA and the timing of chromosome replication in <i>Escherichia coli</i> as a function of growth rate. <i>BMC Systems Biology</i> , 2011, 5, 201.	3.0	23
7	Learning maximum entropy models from finite-size data sets: A fast data-driven algorithm allows sampling from the posterior distribution. <i>Physical Review E</i> , 2016, 94, 023301.	2.1	21
8	Towards optogenetic vision restoration with high resolution. <i>PLoS Computational Biology</i> , 2020, 16, e1007857.	3.2	20
9	Random versus maximum entropy models of neural population activity. <i>Physical Review E</i> , 2017, 95, 042321.	2.1	17
10	Separating intrinsic interactions from extrinsic correlations in a network of sensory neurons. <i>Physical Review E</i> , 2018, 98, .	2.1	15
11	A Simple Model for Low Variability in Neural Spike Trains. <i>Neural Computation</i> , 2018, 30, 3009-3036.	2.2	11
12	Planar polarity in primate cone photoreceptors: a potential role in Stiles Crawford effect phototropism. <i>Communications Biology</i> , 2022, 5, 89.	4.4	11
13	Predicting synchronous firing of large neural populations from sequential recordings. <i>PLoS Computational Biology</i> , 2021, 17, e1008501.	3.2	8
14	Pairwise Ising Model Analysis of Human Cortical Neuron Recordings. <i>Lecture Notes in Computer Science</i> , 2017, , 257-264.	1.3	5
15	Random, thermodynamic and inverse first-order transitions in the Blume-Capel spin glass. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P12005.	2.3	4
16	Closed-Loop Estimation of Retinal Network Sensitivity by Local Empirical Linearization. <i>ENeuro</i> , 2017, 4, ENEURO.0166-17.2017.	1.9	4
17	Inferred Ising model unveils potentiation of pairwise neural interactions and replay of rule-learning related neural activity. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	1
18	Inferred network from prefrontal cortex activity of rats unveils cell assemblies. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	0

#	ARTICLE	IF	CITATIONS
19	Dynamical arrest with zero complexity: The unusual behavior of the spherical Blume-Emery-Griffiths disordered model. Physical Review E, 2015, 92, 062150.	2.1	0
20	Towards optogenetic vision restoration with high resolution. , 2020, 16, e1007857.		0
21	Towards optogenetic vision restoration with high resolution. , 2020, 16, e1007857.		0
22	Towards optogenetic vision restoration with high resolution. , 2020, 16, e1007857.		0
23	Towards optogenetic vision restoration with high resolution. , 2020, 16, e1007857.		0
24	Towards optogenetic vision restoration with high resolution. , 2020, 16, e1007857.		0
25	Towards optogenetic vision restoration with high resolution. , 2020, 16, e1007857.		0