ValÃ©rie Ventura

List of Publications by Year
in descending order

33 papers	1,920 citations	430874 18 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	2020 citing authors

#	Article	IF	Citations
1	The Time-Rescaling Theorem and Its Application to Neural Spike Train Data Analysis. Neural Computation, 2002, 14, 325-346.	2.2	446
2	Statistical Issues in the Analysis of Neuronal Data. Journal of Neurophysiology, 2005, 94, 8-25.	1.8	244
3	Controlling the Proportion of Falsely Rejected Hypotheses when Conducting Multiple Tests with Climatological Data. Journal of Climate, 2004, 17, 4343-4356.	3.2	195
4	A Spike-Train Probability Model. Neural Computation, 2001, 13, 1713-1720.	2.2	193
5	Multiple Indices of Northern Hemisphere Cyclone Activity, Winters 1949â€"99. Journal of Climate, 2002, 15, 1573-1590.	3.2	111
6	Statistical smoothing of neuronal data. Network: Computation in Neural Systems, 2003, 14, 5-15.	3.6	108
7	To sort or not to sort: the impact of spike-sorting on neural decoding performance. Journal of Neural Engineering, 2014, 11, 056005.	3.5	94
8	Trial-to-Trial Variability and Its Effect on Time-Varying Dependency Between Two Neurons. Journal of Neurophysiology, 2005, 94, 2928-2939.	1.8	55
9	Neuronal Activity in Macaque Supplementary Eye Field During Planning of Saccades in Response to Pattern and Spatial Cues. Journal of Neurophysiology, 2000, 84, 1369-1384.	1.8	54
10	Statistical analysis of temporal evolution in single-neuron firing rates. Biostatistics, 2002, 3, 1-20.	1.5	43
11	Spike Train Decoding Without Spike Sorting. Neural Computation, 2008, 20, 923-963.	2.2	43
12	Statistical Assessment of Time-Varying Dependency Between Two Neurons. Journal of Neurophysiology, 2005, 94, 2940-2947.	1.8	39
13	Bootstrap diagnostics and remedies. Canadian Journal of Statistics, 2006, 34, 5-27.	0.9	34
14	Can auxiliary indicators improve COVID-19 forecasting and hotspot prediction?. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
15	Traditional waveform based spike sorting yields biased rate code estimates. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6921-6926.	7.1	28
16	An open repository of real-time COVID-19 indicators. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
17	Spline-based non-parametric regression for periodic functions and its application to directional tuning of neurons. Statistics in Medicine, 2005, 24, 2255-2265.	1.6	24
18	Accurately estimating neuronal correlation requires a new spike-sorting paradigm. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7230-7235.	7.1	23

#	Article	IF	Citations
19	Automatic Spike Sorting Using Tuning Information. Neural Computation, 2009, 21, 2466-2501.	2.2	22
20	Spike Count Correlation Increases with Length of Time Interval in the Presence of Trial-to-Trial Variation. Neural Computation, 2006, 18, 2583-2591.	2.2	21
21	Testing for and Estimating Latency Effects for Poisson and Non-Poisson Spike Trains. Neural Computation, 2004, 16, 2323-2349.	2.2	18
22	Separating Spike Count Correlation from Firing Rate Correlation. Neural Computation, 2016, 28, 849-881.	2.2	15
23	Automated acoustic detection of mouse scratching. PLoS ONE, 2017, 12, e0179662.	2.5	9
24	Stability of point process spiking neuron models. Journal of Computational Neuroscience, 2019, 46, 19-32.	1.0	9
25	A Computationally Efficient Method for Incorporating Spike Waveform Information into Decoding Algorithms. Neural Computation, 2015, 27, 1033-1050.	2.2	8
26	Non-parametric bootstrap recycling. Statistics and Computing, 2002, 12, 261-273.	1.5	7
27	Adjusted regularization in latent graphical models: Application to multiple-neuron spike count data. Annals of Applied Statistics, 2018, 12, 1068-1095.	1.1	7
28	Bootstrap Tests of Hypotheses. , 2010, , 383-398.		7
29	Adjusted regularization of cortical covariance. Journal of Computational Neuroscience, 2018, 45, 83-101.	1.0	3
30	Single-Snippet Analysis for Detection of Postspike Effects. Neural Computation, 2014, 26, 40-56.	2.2	2
31	Automatic scan test for detection of functional connectivity between cortex and muscles. Journal of Neurophysiology, 2014, 112, 490-499.	1.8	1
32	Neural Decoding: A Predictive Viewpoint. Neural Computation, 2017, 29, 3290-3310.	2.2	0
33	Impact of Isoflurane Anesthesia on Gastrointestinal Myoelectric Recordings: A Comparative Analysis of Awake and Anesthetized States in Ferrets. FASEB Journal, 2022, 36, .	0.5	0