

# ValÃ©rie Ventura

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,920  
citations

430442

18  
h-index

454577

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. <i>Neural Computation</i> , 2002, 14, 325-346.	1.3	446
2	Statistical Issues in the Analysis of Neuronal Data. <i>Journal of Neurophysiology</i> , 2005, 94, 8-25.	0.9	244
3	Controlling the Proportion of Falsely Rejected Hypotheses when Conducting Multiple Tests with Climatological Data. <i>Journal of Climate</i> , 2004, 17, 4343-4356.	1.2	195
4	A Spike-Train Probability Model. <i>Neural Computation</i> , 2001, 13, 1713-1720.	1.3	193
5	Multiple Indices of Northern Hemisphere Cyclone Activity, Winters 1949â€“99. <i>Journal of Climate</i> , 2002, 15, 1573-1590.	1.2	111
6	Statistical smoothing of neuronal data. <i>Network: Computation in Neural Systems</i> , 2003, 14, 5-15.	2.2	108
7	To sort or not to sort: the impact of spike-sorting on neural decoding performance. <i>Journal of Neural Engineering</i> , 2014, 11, 056005.	1.8	94
8	Trial-to-Trial Variability and Its Effect on Time-Varying Dependency Between Two Neurons. <i>Journal of Neurophysiology</i> , 2005, 94, 2928-2939.	0.9	55
9	Neuronal Activity in Macaque Supplementary Eye Field During Planning of Saccades in Response to Pattern and Spatial Cues. <i>Journal of Neurophysiology</i> , 2000, 84, 1369-1384.	0.9	54
10	Statistical analysis of temporal evolution in single-neuron firing rates. <i>Biostatistics</i> , 2002, 3, 1-20.	0.9	43
11	Spike Train Decoding Without Spike Sorting. <i>Neural Computation</i> , 2008, 20, 923-963.	1.3	43
12	Statistical Assessment of Time-Varying Dependency Between Two Neurons. <i>Journal of Neurophysiology</i> , 2005, 94, 2940-2947.	0.9	39
13	Bootstrap diagnostics and remedies. <i>Canadian Journal of Statistics</i> , 2006, 34, 5-27.	0.6	34
14	Can auxiliary indicators improve COVID-19 forecasting and hotspot prediction?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	30
15	Traditional waveform based spike sorting yields biased rate code estimates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6921-6926.	3.3	28
16	An open repository of real-time COVID-19 indicators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	27
17	Spline-based non-parametric regression for periodic functions and its application to directional tuning of neurons. <i>Statistics in Medicine</i> , 2005, 24, 2255-2265.	0.8	24
18	Accurately estimating neuronal correlation requires a new spike-sorting paradigm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7230-7235.	3.3	23

#	ARTICLE	IF	CITATIONS
19	Automatic Spike Sorting Using Tuning Information. <i>Neural Computation</i> , 2009, 21, 2466-2501.	1.3	22
20	Spike Count Correlation Increases with Length of Time Interval in the Presence of Trial-to-Trial Variation. <i>Neural Computation</i> , 2006, 18, 2583-2591.	1.3	21
21	Testing for and Estimating Latency Effects for Poisson and Non-Poisson Spike Trains. <i>Neural Computation</i> , 2004, 16, 2323-2349.	1.3	18
22	Separating Spike Count Correlation from Firing Rate Correlation. <i>Neural Computation</i> , 2016, 28, 849-881.	1.3	15
23	Automated acoustic detection of mouse scratching. <i>PLoS ONE</i> , 2017, 12, e0179662.	1.1	9
24	Stability of point process spiking neuron models. <i>Journal of Computational Neuroscience</i> , 2019, 46, 19-32.	0.6	9
25	A Computationally Efficient Method for Incorporating Spike Waveform Information into Decoding Algorithms. <i>Neural Computation</i> , 2015, 27, 1033-1050.	1.3	8
26	Non-parametric bootstrap recycling. <i>Statistics and Computing</i> , 2002, 12, 261-273.	0.8	7
27	Adjusted regularization in latent graphical models: Application to multiple-neuron spike count data. <i>Annals of Applied Statistics</i> , 2018, 12, 1068-1095.	0.5	7
28	Bootstrap Tests of Hypotheses. , 2010, , 383-398.		7
29	Adjusted regularization of cortical covariance. <i>Journal of Computational Neuroscience</i> , 2018, 45, 83-101.	0.6	3
30	Single-Snippet Analysis for Detection of Postspike Effects. <i>Neural Computation</i> , 2014, 26, 40-56.	1.3	2
31	Automatic scan test for detection of functional connectivity between cortex and muscles. <i>Journal of Neurophysiology</i> , 2014, 112, 490-499.	0.9	1
32	Neural Decoding: A Predictive Viewpoint. <i>Neural Computation</i> , 2017, 29, 3290-3310.	1.3	0
33	Impact of Isoflurane Anesthesia on Gastrointestinal Myoelectric Recordings: A Comparative Analysis of Awake and Anesthetized States in Ferrets. <i>FASEB Journal</i> , 2022, 36, .	0.2	0