

Julien Chiquet

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,681
citations

623734

14
h-index

395702

33
g-index

42
all docs

42
docs citations

42
times ranked

3019
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of deregulation mechanisms specific to cancer subtypes. <i>Journal of Bioinformatics and Computational Biology</i> , 2021, 19, 2140003.	0.8	2
2	The Poisson-Lognormal Model as a Versatile Framework for the Joint Analysis of Species Abundances. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	18
3	Harnessing multivariate, penalized regression methods for genomic prediction and QTL detection of drought-related traits in grapevine. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	9
4	Joint species distributions reveal the combined effects of host plants, abiotic factors and species competition as drivers of species abundances in fruit flies. <i>Ecology Letters</i> , 2021, 24, 1905-1916.	6.4	8
5	Coupling ecological network analysis with high-throughput sequencing-based surveys: Lessons from the next-generation biomonitoring project. <i>Advances in Ecological Research</i> , 2021, 65, 367-430.	2.7	5
6	Variational Inference for Stochastic Block Models From Sampled Data. <i>Journal of the American Statistical Association</i> , 2020, 115, 455-466.	3.1	15
7	Fast tree aggregation for consensus hierarchical clustering. <i>BMC Bioinformatics</i> , 2020, 21, 120.	2.6	11
8	Fast computation of genome-metagenome interaction effects. <i>Algorithms for Molecular Biology</i> , 2020, 15, 13.	1.2	2
9	A Quantitative Multivariate Model of Human Dendritic Cell-T Helper Cell Communication. <i>Cell</i> , 2019, 179, 432-447.e21.	28.9	23
10	A Multiattribute Gaussian Graphical Model for Inferring Multiscale Regulatory Networks: An Application in Breast Cancer. <i>Methods in Molecular Biology</i> , 2019, 1883, 143-160.	0.9	8
11	Variable selection in multivariate linear models with high-dimensional covariance matrix estimation. <i>Journal of Multivariate Analysis</i> , 2018, 166, 78-97.	1.0	9
12	Variational inference for probabilistic Poisson PCA. <i>Annals of Applied Statistics</i> , 2018, 12, .	1.1	35
13	A variable selection approach in the multivariate linear model: an application to LC-MS metabolomics data. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2018, 17, .	0.6	5
14	Structured regularization for conditional Gaussian graphical models. <i>Statistics and Computing</i> , 2017, 27, 789-804.	1.5	18
15	Fast Tree Inference With Weighted Fusion Penalties. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 205-216.	1.7	9
16	Efficient block boundaries estimation in block-wise constant matrices: An application to HiC data. <i>Electronic Journal of Statistics</i> , 2017, 11, .	0.7	1
17	Learning Ecological Networks from Next-Generation Sequencing Data. <i>Advances in Ecological Research</i> , 2016, , 1-39.	2.7	68
18	Combining a relaxed EM algorithm with Occam's razor for Bayesian variable selection in high-dimensional regression. <i>Journal of Multivariate Analysis</i> , 2016, 146, 177-190.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Fast Detection of Block Boundaries in Block-Wise Constant Matrices. Lecture Notes in Computer Science, 2016, , 214-228.	1.3	0
20	A model for gene deregulation detection using expression data. BMC Systems Biology, 2015, 9, S6.	3.0	5
21	Early allopolyploid evolution in the post-Neolithic <i>Brassica napus</i> oilseed genome. Science, 2014, 345, 950-953.	12.6	2,089
22	Network Inference in Breast Cancer with Gaussian Graphical Models and Extensions. , 2014, , 121-146.		0
23	Dynamical Systems with Semi-Markovian Perturbations and Their Use in Structural Reliability. Springer Series in Reliability Engineering, 2013, , 191-218.	0.5	2
24	Prevalence of gene expression additivity in genetically stable wheat allohexaploids. New Phytologist, 2013, 197, 730-736.	7.3	36
25	Sparsity with sign-coherent groups of variables via the cooperative-Lasso. Annals of Applied Statistics, 2012, 6, .	1.1	21
26	Inferring multiple graphical structures. Statistics and Computing, 2011, 21, 537-553.	1.5	50
27	Weighted-LASSO for Structured Network Inference from Time Course Data. Statistical Applications in Genetics and Molecular Biology, 2010, 9, Article 15.	0.6	44
28	SIMoNe: Statistical Inference for MODular NETworks. Bioinformatics, 2009, 25, 417-418.	4.1	35
29	Piecewise deterministic Markov processes applied to fatigue crack growth modelling. Journal of Statistical Planning and Inference, 2009, 139, 1657-1667.	0.6	43
30	Inferring sparse Gaussian graphical models with latent structure. Electronic Journal of Statistics, 2009, 3, .	0.7	29
31	A method to compute the transition function of a piecewise deterministic Markov process with application to reliability. Statistics and Probability Letters, 2008, 78, 1397-1403.	0.7	22
32	Modelling and estimating the reliability of stochastic dynamical systems with Markovian switching. Reliability Engineering and System Safety, 2008, 93, 1801-1808.	8.9	10
33	Estimating Stochastic Dynamical Systems Driven by a Continuous-Time Jump Markov Process. Methodology and Computing in Applied Probability, 2006, 8, 431-447.	1.2	10
34	Identification of Deregulated Transcription Factors Involved in Specific Bladder Cancer Subtypes. , 0, , .		1
35	A Quantitative Multivariate Model of Human Dendritic Cell-T Helper Cell Communication. SSRN Electronic Journal, 0, , .	0.4	1