

Catherine Matias

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

411
citations

933447

10
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

386
citing authors

#	ARTICLE	IF	CITATIONS
1	PPanGGOLiN: Depicting microbial diversity via a partitioned pangenome graph. <i>PLoS Computational Biology</i> , 2020, 16, e1007732.	3.2	102
2	Asymptotics of the Maximum Likelihood Estimator for General Hidden Markov Models. <i>Bernoulli</i> , 2001, 7, 381.	1.3	78
3	Minimax estimation of the noise level and of the deconvolution density in a semiparametric convolution model. <i>Bernoulli</i> , 2005, 11, 309.	1.3	46
4	Modeling heterogeneity in random graphs through latent space models: a selective review. <i>ESAIM Proceedings and Surveys</i> , 2014, 47, 55-74.	0.4	45
5	Nine quick tips for analyzing network data. <i>PLoS Computational Biology</i> , 2019, 15, e1007434.	3.2	23
6	Parameter identifiability in a class of random graph mixture models. <i>Journal of Statistical Planning and Inference</i> , 2011, 141, 1719-1736.	0.6	22
7	Revealing the hidden structure of dynamic ecological networks. <i>Royal Society Open Science</i> , 2017, 4, 170251.	2.4	16
8	Convergence of the groups posterior distribution in latent or stochastic block models. <i>Bernoulli</i> , 2015, 21, .	1.3	14
9	Semiparametric deconvolution with unknown noise variance. <i>ESAIM - Probability and Statistics</i> , 2002, 6, 271-292.	0.5	13
10	Maximum likelihood estimator consistency for a ballistic random walk in a parametric random environment. <i>Stochastic Processes and Their Applications</i> , 2014, 124, 268-288.	0.9	13
11	On Efficient Estimators of the Proportion of True Null Hypotheses in a Multiple Testing Setup. <i>Scandinavian Journal of Statistics</i> , 2014, 41, 1167-1194.	1.4	10
12	Parameter Estimation in Pair-hidden Markov Models. <i>Scandinavian Journal of Statistics</i> , 2006, 33, 651-671.	1.4	9
13	Hidden Markov model for parameter estimation of a random walk in a Markov environment. <i>ESAIM - Probability and Statistics</i> , 2015, 19, 605-625.	0.5	7
14	An appraisal of graph embeddings for comparing trophic network architectures. <i>Methods in Ecology and Evolution</i> , 2022, 13, 203-216.	5.2	5
15	Nonparametric estimation of the density of the alternative hypothesis in a multiple testing setup. Application to local false discovery rate estimation. <i>ESAIM - Probability and Statistics</i> , 2014, 18, 584-612.	0.5	3
16	Number of hidden states and memory: a joint order estimation problem for Markov chains with Markov regime. <i>ESAIM - Probability and Statistics</i> , 2009, 13, 38-50.	0.5	2
17	A time warping approach to multiple sequence alignment. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2017, 16, 133-144.	0.6	0