

Marco Grzegorzcyk

List of Publications by Year in descending order

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25
papers

691
citations

933447

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h-index

642732

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29
all docs

29
docs citations

29
times ranked

708
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative evaluation of reverse engineering gene regulatory networks with relevance networks, graphical gaussian models and bayesian networks. <i>Bioinformatics</i> , 2006, 22, 2523-2531.	4.1	301
2	Improvements in the reconstruction of time-varying gene regulatory networks: dynamic programming and regularization by information sharing among genes. <i>Bioinformatics</i> , 2011, 27, 693-699.	4.1	77
3	Modelling non-stationary gene regulatory processes with a non-homogeneous Bayesian network and the allocation sampler. <i>Bioinformatics</i> , 2008, 24, 2071-2078.	4.1	55
4	Non-homogeneous dynamic Bayesian networks for continuous data. <i>Machine Learning</i> , 2011, 83, 355-419.	5.4	50
5	An Introduction to Gaussian Bayesian Networks. <i>Methods in Molecular Biology</i> , 2010, 662, 121-147.	0.9	28
6	Statistical inference of regulatory networks for circadian regulation. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2014, 13, 227-73.	0.6	22
7	A non-homogeneous dynamic Bayesian network with a hidden Markov model dependency structure among the temporal data points. <i>Machine Learning</i> , 2016, 102, 155-207.	5.4	22
8	A Non-Homogeneous Dynamic Bayesian Network with Sequentially Coupled Interaction Parameters for Applications in Systems and Synthetic Biology. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2012, 11, .	0.6	21
9	Regularization of non-homogeneous dynamic Bayesian networks with global information-coupling based on hierarchical Bayesian models. <i>Machine Learning</i> , 2013, 91, 105-154.	5.4	19
10	Approximate Bayesian inference in semi-mechanistic models. <i>Statistics and Computing</i> , 2017, 27, 1003-1040.	1.5	12
11	Non-homogeneous dynamic Bayesian networks with edge-wise sequentially coupled parameters. <i>Bioinformatics</i> , 2020, 36, 1198-1207.	4.1	10
12	Modelling non-stationary dynamic gene regulatory processes with the BGM model. <i>Computational Statistics</i> , 2011, 26, 199-218.	1.5	9
13	Comparative evaluation of various frequentist and Bayesian non-homogeneous Poisson counting models. <i>Computational Statistics</i> , 2017, 32, 1-33.	1.5	9
14	Improving nonhomogeneous dynamic Bayesian networks with sequentially coupled parameters. <i>Statistica Neerlandica</i> , 2018, 72, 281-305.	1.6	9
15	Partially non-homogeneous dynamic Bayesian networks based on Bayesian regression models with partitioned design matrices. <i>Bioinformatics</i> , 2019, 35, 2108-2117.	4.1	9
16	Exact hypothesis testing for shrinkage-based Gaussian graphical models. <i>Bioinformatics</i> , 2019, 35, 5011-5017.	4.1	8
17	Overview and Evaluation of Recent Methods for Statistical Inference of Gene Regulatory Networks from Time Series Data. <i>Methods in Molecular Biology</i> , 2019, 1883, 49-94.	0.9	6
18	Inferring bi-directional interactions between circadian clock genes and metabolism with model ensembles. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2015, 14, 143-67.	0.6	5

#	ARTICLE	IF	CITATIONS
19	On the Bayesian network based data mining framework for the choice of appropriate time scale for regional analysis of drought Hazard. <i>Theoretical and Applied Climatology</i> , 2021, 143, 1677-1695.	2.8	5
20	A new Bayesian piecewise linear regression model for dynamic network reconstruction. <i>BMC Bioinformatics</i> , 2021, 22, 196.	2.6	5
21	A Bayesian Network Analysis of the Diagnostic Process and its Accuracy to Determine How Clinicians Estimate Cardiac Function in Critically Ill Patients: Prospective Observational Cohort Study. <i>JMIR Medical Informatics</i> , 2019, 7, e15358.	2.6	3
22	Targeting Bayes factors with direct-path non-equilibrium thermodynamic integration. <i>Computational Statistics</i> , 2017, 32, 717-761.	1.5	2
23	A new Bayesian multivariate exponentially weighted moving average control chart for phase II monitoring of multivariate multiple linear profiles. <i>Quality and Reliability Engineering International</i> , 2019, 35, 2152-2177.	2.3	2
24	The "un-shrunk" partial correlation in Gaussian graphical models. <i>BMC Bioinformatics</i> , 2021, 22, 424.	2.6	0
25	A New Partially Segment-Wise Coupled Piece-Wise Linear Regression Model for Statistical Network Structure Inference. <i>Lecture Notes in Computer Science</i> , 2020, , 139-152.	1.3	0