

Lori A Dalton

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

582
citations

840728

11
h-index

713444

21
g-index

40
all docs

40
docs citations

40
times ranked

395
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian Minimum Mean-Square Error Estimation for Classification Error—Part I: Definition and the Bayesian MMSE Error Estimator for Discrete Classification. IEEE Transactions on Signal Processing, 2011, 59, 115-129.	5.3	77
2	Optimal classifiers with minimum expected error within a Bayesian framework—Part I: Discrete and Gaussian models. Pattern Recognition, 2013, 46, 1301-1314.	8.1	76
3	Clustering Algorithms: On Learning, Validation, Performance, and Applications to Genomics. Current Genomics, 2009, 10, 430-445.	1.6	65
4	Optimal experimental design for materials discovery. Computational Materials Science, 2017, 129, 311-322.	3.0	54
5	Bayesian Minimum Mean-Square Error Estimation for Classification Error—Part II: Linear Classification of Gaussian Models. IEEE Transactions on Signal Processing, 2011, 59, 130-144.	5.3	46
6	Optimal classifiers with minimum expected error within a Bayesian framework — Part II: Properties and performance analysis. Pattern Recognition, 2013, 46, 1288-1300.	8.1	44
7	Exact Sample Conditioned MSE Performance of the Bayesian MMSE Estimator for Classification Error—Part I: Representation. IEEE Transactions on Signal Processing, 2012, 60, 2575-2587.	5.3	34
8	Intrinsically Optimal Bayesian Robust Filtering. IEEE Transactions on Signal Processing, 2014, 62, 657-670.	5.3	33
9	Application of the Bayesian MMSE estimator for classification error to gene expression microarray data. Bioinformatics, 2011, 27, 1822-1831.	4.1	30
10	Exact Sample Conditioned MSE Performance of the Bayesian MMSE Estimator for Classification Error—Part II: Consistency and Performance Analysis. IEEE Transactions on Signal Processing, 2012, 60, 2588-2603.	5.3	26
11	Optimal mean-square-error calibration of classifier error estimators under Bayesian models. Pattern Recognition, 2012, 45, 2308-2320.	8.1	11
12	Optimal ROC-Based Classification and Performance Analysis under Bayesian Uncertainty Models. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 719-729.	3.0	10
13	Heuristic algorithms for feature selection under Bayesian models with block-diagonal covariance structure. BMC Bioinformatics, 2018, 19, 70.	2.6	10
14	On optimal Bayesian classification and risk estimation under multiple classes. Eurasip Journal on Bioinformatics and Systems Biology, 2015, 2015, 8.	1.4	9
15	Optimal Bayesian feature selection on high dimensional gene expression data. , 2014, , .		8
16	Analytic Representation of Bayes Labeling and Bayes Clustering Operators for Random Labeled Point Processes. IEEE Transactions on Signal Processing, 2015, 63, 1605-1620.	5.3	8
17	Robust feature selection for block covariance Bayesian models. , 2017, , .		8
18	Optimal cancer prognosis under network uncertainty. Eurasip Journal on Bioinformatics and Systems Biology, 2015, 2015, 1.	1.4	7

#	ARTICLE	IF	CITATIONS
19	Optimal Bayesian Filtering for Biomarker Discovery: Performance and Robustness. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 17, 1-1.	3.0	6
20	Optimal clustering under uncertainty. PLoS ONE, 2018, 13, e0204627.	2.5	3
21	Bayesian Error Analysis for Feature Selection in Biomarker Discovery. IEEE Access, 2019, 7, 127544-127563.	4.2	3
22	Optimal Bayesian classification and its application to gene regulatory networks. , 2012, , .		2
23	Small data is the problem. , 2015, , .		2
24	Optimal Bayesian feature filtering for single-nucleotide polymorphism data. , 2017, , .		2
25	Multiclass Bayesian feature selection. , 2017, , .		2
26	Bayes clustering operators for known random labeled point processes. , 2013, , .		1
27	Optimal Bayesian cancer prognosis with model-constrained robust intervention. , 2014, , .		1
28	Data Requirements for Model-Based Cancer Prognosis Prediction. Cancer Informatics, 2015, 14s5, CIN.S30801.	1.9	1
29	On the limits of data-driven cancer prognosis prediction. , 2016, , .		1
30	BAYESIAN FEATURE SELECTION WITH DATA INTEGRATION. , 2018, , .		1
31	High dimensional model representation of log likelihood ratio: binary classification with SNP data. BMC Medical Genomics, 2020, 13, 133.	1.5	1
32	Bayesian MMSE estimation of classification error and performance on real genomic data. , 2010, , .		0
33	Classifier error estimator performance in a Bayesian context. , 2011, , .		0
34	Exact MSE performance of the Bayesian MMSE estimator for classification error. , 2011, , .		0
35	Optimal classifiers within a Bayesian framework. , 2012, , .		0
36	Optimal neyman-pearson classification under Bayesian uncertainty models. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Guest Editorialâ€”Special Collection Topic: Statistical Systems Theory in Cancer Modeling, Diagnosis, and Therapy. <i>Cancer Informatics</i> , 2018, 17, 117693511876094.	1.9	0
38	Optimal Bayesian Feature Selection with Bounded False Discovery Rate. , 2018, , .		0
39	Joint asymptotic normality of granulometric moments under multiple structuring elements. <i>Pattern Recognition Letters</i> , 2018, 111, 80-86.	4.2	0
40	High dimensional model representation of log-likelihood ratio: binary classification with expression data. <i>BMC Bioinformatics</i> , 2020, 21, 156.	2.6	0