

Ulisses Braga-Neto

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,039
citations

471509

17
h-index

526287

27
g-index

39
all docs

39
docs citations

39
times ranked

1041
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutrient optimization for plant growth in Aquaponic irrigation using Machine Learning for small training datasets. <i>Artificial Intelligence in Agriculture</i> , 2022, 6, 68-76.	6.0	9
2	A Semi-Supervised Generative Adversarial Network for Prediction of Genetic Disease Outcomes. , 2021, , .		2
3	Boolean Kalman filter and smoother under model uncertainty. <i>Automatica</i> , 2020, 111, 108609.	5.0	40
4	Fundamentals of Pattern Recognition and Machine Learning. , 2020, , .		18
5	Severe Dengue Prognosis Using Human Genome Data and Machine Learning. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2861-2868.	4.2	50
6	Scalable optimal Bayesian classification of single-cell trajectories under regulatory model uncertainty. <i>BMC Genomics</i> , 2019, 20, 435.	2.8	16
7	Gene regulatory network state estimation from arbitrary correlated measurements. <i>Eurasip Journal on Advances in Signal Processing</i> , 2018, 2018, .	1.7	15
8	Classification of State Trajectories in Gene Regulatory Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 68-82.	3.0	11
9	A Naive-Bayes approach to Bolstered error estimation in high-dimensional spaces. , 2014, , .		3
10	Complement factor H gene (CFH) polymorphisms C-257T, G257A and haplotypes are associated with protection against severe dengue phenotype, possible related with high CFH expression. <i>Human Immunology</i> , 2013, 74, 1225-1230.	2.4	21
11	Optimal Bayesian MMSE estimation of the coefficient of determination for discrete prediction. , 2013, , .		3
12	Exact representation of the second-order moments for resubstitution and leave-one-out error estimation for linear discriminant analysis in the univariate heteroskedastic Gaussian model. <i>Pattern Recognition</i> , 2012, 45, 908-917.	8.1	20
13	Studying the possibility of peaking phenomenon in linear support vector machines with non-separable data. , 2011, , .		6
14	Optimal state estimation for Boolean dynamical systems. , 2011, , .		26
15	Maximum likelihood estimation of the binary Coefficient of Determination. , 2011, , .		3
16	Sample-based estimators for the intrinsically multivariate prediction score. , 2011, , .		2
17	Exact Performance of CoD Estimators in Discrete Prediction. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010, 2010, .	1.7	7
18	Approximate expressions for the variances of non-randomized error estimators and CoD estimators for the discrete histogram rule. , 2010, , .		0

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19	Classification and Error Estimation for Discrete Data. <i>Current Genomics</i> , 2009, 10, 446-462.	1.6	9
20	Reliable Classifier to Differentiate Primary and Secondary Acute Dengue Infection Based on IgG ELISA. <i>PLoS ONE</i> , 2009, 4, e4945.	2.5	42
21	Alternative Complement Pathway Deregulation Is Correlated with Dengue Severity. <i>PLoS ONE</i> , 2009, 4, e6782.	2.5	95
22	Gene Expression Profiling during Early Acute Febrile Stage of Dengue Infection Can Predict the Disease Outcome. <i>PLoS ONE</i> , 2009, 4, e7892.	2.5	77
23	An asymptotically-exact expression for the variance of classification error for the discrete histogram rule. , 2008, , .		2
24	Fads and fallacies in the name of small-sample microarray classification - A highlight of misunderstanding and erroneous usage in the applications of genomic signal processing. <i>IEEE Signal Processing Magazine</i> , 2007, 24, 91-99.	5.6	54
25	Confidence Intervals for the True Classification Error Conditioned on the Estimated Error. <i>Technology in Cancer Research and Treatment</i> , 2006, 5, 579-589.	1.9	21
26	EPISTEMOLOGY OF COMPUTATIONAL BIOLOGY: MATHEMATICAL MODELS AND EXPERIMENTAL PREDICTION AS THE BASIS OF THEIR VALIDITY. <i>Journal of Biological Systems</i> , 2006, 14, 65-90.	1.4	46
27	Small-sample error estimation: mythology versus mathematics. , 2005, , .		4
28	Exact performance of error estimators for discrete classifiers. <i>Pattern Recognition</i> , 2005, 38, 1799-1814.	8.1	51
29	Constructing multiscale connectivities. <i>Computer Vision and Image Understanding</i> , 2005, 99, 126-150.	4.7	6
30	Multiscale Connected Operators. <i>Journal of Mathematical Imaging and Vision</i> , 2005, 22, 199-216.	1.3	17
31	Superior feature-set ranking for small samples using bolstered error estimation. <i>Bioinformatics</i> , 2005, 21, 1046-1054.	4.1	49
32	Object-based image analysis using multiscale connectivity. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2005, 27, 892-907.	13.9	19
33	Bolstered error estimation. <i>Pattern Recognition</i> , 2004, 37, 1267-1281.	8.1	108
34	Grayscale Level Connectivity: Theory and Applications. <i>IEEE Transactions on Image Processing</i> , 2004, 13, 1567-1580.	9.8	32
35	Supremal Multiscale Signal Analysis. <i>SIAM Journal on Mathematical Analysis</i> , 2004, 36, 94-120.	1.9	13
36	A Theoretical Tour of Connectivity in Image Processing and Analysis. <i>Journal of Mathematical Imaging and Vision</i> , 2003, 19, 5-31.	1.3	58

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37	A multiscale approach to connectivity. <i>Computer Vision and Image Understanding</i> , 2003, 89, 70-107.	4.7	27
38	Connectivity on Complete Lattices: New Results. <i>Computer Vision and Image Understanding</i> , 2002, 85, 22-53.	4.7	57