Ulisses Braga-Neto

List of Publications by Year
in descending order

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	Bolstered error estimation. Pattern Recognition, 2004, 37, 1267-1281.	8.1	108
2	Alternative Complement Pathway Deregulation Is Correlated with Dengue Severity. PLoS ONE, 2009, 4, e6782.	2.5	95
3	Gene Expression Profiling during Early Acute Febrile Stage of Dengue Infection Can Predict the Disease Outcome. PLoS ONE, 2009, 4, e7892.	2.5	77
4	A Theoretical Tour of Connectivity in Image Processing and Analysis. Journal of Mathematical Imaging and Vision, 2003, 19, 5-31.	1.3	58
5	Connectivity on Complete Lattices: New Results. Computer Vision and Image Understanding, 2002, 85, 22-53.	4.7	57
6	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. IEEE Signal Processing Magazine, 2007, 24, 91-99.	5.6	54
7	Exact performance of error estimators for discrete classifiers. Pattern Recognition, 2005, 38, 1799-1814.	8.1	51
8	Severe Dengue Prognosis Using Human Genome Data and Machine Learning. IEEE Transactions on Biomedical Engineering, 2019, 66, 2861-2868.	4.2	50
9	Superior feature-set ranking for small samples using bolstered error estimation. Bioinformatics, 2005, 21, 1046-1054.	4.1	49
10	EPISTEMOLOGY OF COMPUTATIONAL BIOLOGY: MATHEMATICAL MODELS AND EXPERIMENTAL PREDICTION AS THE BASIS OF THEIR VALIDITY. Journal of Biological Systems, 2006, 14, 65-90.	1.4	46
11	Reliable Classifier to Differentiate Primary and Secondary Acute Dengue Infection Based on IgG ELISA. PLoS ONE, 2009, 4, e4945.	2.5	42
12	Boolean Kalman filter and smoother under model uncertainty. Automatica, 2020, 111, 108609.	5.0	40
13	Grayscale Level Connectivity: Theory and Applications. IEEE Transactions on Image Processing, 2004, 13, 1567-1580.	9.8	32
14	A multiscale approach to connectivity. Computer Vision and Image Understanding, 2003, 89, 70-107.	4.7	27
15	Optimal state estimation for Boolean dynamical systems. , 2011, , .		26
16	Confidence Intervals for the True Classification Error Conditioned on the Estimated Error. Technology in Cancer Research and Treatment, 2006, 5, 579-589.	1.9	21
17	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. Human Immunology, 2013, 74, 1225-1230.	2.4	21
18	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. Pattern Recognition, 2012, 45, 908-917.	8.1	20

#	Article	IF	Citations
19	Object-based image analysis using multiscale connectivity. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 892-907.	13.9	19
20	Fundamentals of Pattern Recognition and Machine Learning. , 2020, , .		18
21	Multiscale Connected Operators. Journal of Mathematical Imaging and Vision, 2005, 22, 199-216.	1.3	17
22	Scalable optimal Bayesian classification of single-cell trajectories under regulatory model uncertainty. BMC Genomics, 2019, 20, 435.	2.8	16
23	Gene regulatory network state estimation from arbitrary correlated measurements. Eurasip Journal on Advances in Signal Processing, 2018, 2018, .	1.7	15
24	Supremal Multiscale Signal Analysis. SIAM Journal on Mathematical Analysis, 2004, 36, 94-120.	1.9	13
25	Classification of State Trajectories in Gene Regulatory Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 68-82.	3.0	11
26	Classification and Error Estimation for Discrete Data. Current Genomics, 2009, 10, 446-462.	1.6	9
27	Nutrient optimization for plant growth in Aquaponic irrigation using Machine Learning for small training datasets. Artificial Intelligence in Agriculture, 2022, 6, 68-76.	6.0	9
28	Exact Performance of CoD Estimators in Discrete Prediction. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	7
29	Constructing multiscale connectivities. Computer Vision and Image Understanding, 2005, 99, 126-150.	4.7	6
30	Studying the possibility of peaking phenomenon in linear support vector machines with non-separable data. , 2011, , .		6
31	Small-sample error estimation: mythology versus mathematics. , 2005, , .		4
32	Maximum likelihood estimation of the binary Coefficient of Determination. , 2011, , .		3
33	Optimal Bayesian MMSE estimation of the coefficient of determination for discrete prediction. , 2013, , .		3
34	A Naive-Bayes approach to Bolstered error estimation in high-dimensional spaces. , 2014, , .		3
35	An asymptotically-exact expression for the variance of classification error for the discrete histogram rule. , 2008, , .		2
36	Sample-based estimators for the instrinsically multivariate prediction score. , 2011, , .		2

#	Article	IF	Citations
37	A Semi-Supervised Generative Adversarial Network for Prediction of Genetic Disease Outcomes. , 2021, , .		2
38	Approximate expressions for the variances of non-randomized error estimators and CoD estimators for the discrete histogram rule. , 2010, , .		0