

Carlos Eduardo Ferreira

List of Publications by Year in descending order

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35
papers

812
citations

687363

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501196

28
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39
all docs

39
docs citations

39
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating different methods of microarray data normalization. BMC Bioinformatics, 2006, 7, 469.	2.6	226
2	Modeling gene expression regulatory networks with the sparse vector autoregressive model. BMC Systems Biology, 2007, 1, 39.	3.0	121
3	Solving Multiple Knapsack Problems by Cutting Planes. SIAM Journal on Optimization, 1996, 6, 858-877.	2.0	61
4	Time-varying modeling of gene expression regulatory networks using the wavelet dynamic vector autoregressive method. Bioinformatics, 2007, 23, 1623-1630.	4.1	60
5	Decomposing Matrices into Blocks. SIAM Journal on Optimization, 1998, 9, 236-269.	2.0	54
6	Discriminating Different Classes of Biological Networks by Analyzing the Graphs Spectra Distribution. PLoS ONE, 2012, 7, e49949.	2.5	47
7	COMPARING PEARSON, SPEARMAN AND Hoeffding's D MEASURE FOR GENE EXPRESSION ASSOCIATION ANALYSIS. Journal of Bioinformatics and Computational Biology, 2009, 07, 663-684.	0.8	46
8	Repetition-free longest common subsequence. Discrete Applied Mathematics, 2010, 158, 1315-1324.	0.9	32
9	Identification of COL6A1 as a differentially expressed gene in human astrocytomas. Genetics and Molecular Research, 2008, 7, 371-378.	0.2	28
10	MODELING NONLINEAR GENE REGULATORY NETWORKS FROM TIME SERIES GENE EXPRESSION DATA. Journal of Bioinformatics and Computational Biology, 2008, 06, 961-979.	0.8	20
11	Primal-dual approximation algorithms for the Prize-Collecting Steiner Tree Problem. Information Processing Letters, 2007, 103, 195-202.	0.6	17
12	A Combinatorial Optimization Technique for the Sequential Decomposition of Erosions and Dilations. Journal of Mathematical Imaging and Vision, 2000, 13, 17-33.	1.3	15
13	Solving the maximum edge biclique packing problem on unbalanced bipartite graphs. Discrete Applied Mathematics, 2014, 164, 2-12.	0.9	14
14	GED: a user-friendly toolbox for analysis of large-scale gene expression data. BMC Bioinformatics, 2007, 8, 457.	2.6	11
15	Rearrangement of DNA fragments: a branch-and-cut algorithm. Discrete Applied Mathematics, 2002, 116, 161-177.	0.9	9
16	The envy-free pricing problem, unit-demand markets and connections with the network pricing problem. Discrete Optimization, 2016, 22, 141-161.	0.9	9
17	A branch-and-cut approach to the repetition-free longest common subsequence problem. Electronic Notes in Discrete Mathematics, 2010, 36, 527-534.	0.4	8
18	featsel: A framework for benchmarking of feature selection algorithms and cost functions. SoftwareX, 2017, 6, 193-197.	2.6	7

#	ARTICLE	IF	CITATIONS
19	New Reduction Techniques for the Group Steiner Tree Problem. SIAM Journal on Optimization, 2007, 17, 1176-1188.	2.0	4
20	Prices of Anarchy of Selfish 2D Bin Packing Games. International Journal of Foundations of Computer Science, 2019, 30, 355-374.	1.1	4
21	Some formulations for the group steiner tree problem. Discrete Applied Mathematics, 2006, 154, 1877-1884.	0.9	2
22	Finding Matrimonial Circuits in some Amerindian Kinship Networks: An Experimental Study. , 2014, , .		2
23	A Polyhedral Investigation of the LCS Problem and a Repetition-Free Variant. , 2008, , 329-338.		2
24	URI Online Judge Academic: A Tool for Professors. , 2013, , .		2
25	DNA Fragments Assembly Programs: a comparative study. Electronic Notes in Discrete Mathematics, 2001, 7, 158-161.	0.4	1
26	Estimates for the spreading velocity of an epidemic model. Mathematics and Computers in Simulation, 2004, 64, 609-616.	4.4	1
27	Inferring Contagion in Regulatory Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 570-576.	3.0	1
28	A min-max relation in flowgraphs. Electronic Notes in Discrete Mathematics, 2015, 50, 109-114.	0.4	1
29	A PTAS for the metric case of the minimum sum-requirement communication spanning tree problem. Discrete Applied Mathematics, 2017, 228, 158-175.	0.9	1
30	The Envy-Free Pricing Problem and Unit-Demand Markets. Lecture Notes in Computer Science, 2014, , 230-241.	1.3	1
31	Gene prediction by multiple syntenic alignment. Journal of Integrative Bioinformatics, 2005, 2, 38-47.	1.5	0
32	Mathematical Models and Polyhedral Studies for Integral Sheet Metal Design. SIAM Journal on Optimization, 2012, 22, 1493-1517.	2.0	0
33	Syntenic global alignment and its application to the gene prediction problem. Journal of the Brazilian Computer Society, 2013, 19, 511-521.	1.3	0
34	A min-max relation in flowgraphs and some applications. Discrete Applied Mathematics, 2018, 245, 65-76.	0.9	0
35	Novo teste de reduĂo para o problema da rvore de Steiner com coleta de prmios. , 0, , .		0