Fabricio Martins Lopes

List of Publications by Citations

44 papers	618 citations	11 h-index	24 g-index
50 ext. papers	842 ext. citations	3.2 avg, IF	4.36 L-index

#	Paper	IF	Citations
44	RNA-Seq differential expression analysis: An extended review and a software tool. *PLoS ONE*, **2017**, 12, e0190152	3.7	243
43	Networking the host immune response in Plasmodium vivax malaria. *Malaria Journal*, **2013**, 12, 69	3.6	47
42	Brazilian bibliometric coauthorship networks. *Journal of the Association for Information Science and Technology*, **2014**, 65, 1424-1445	2.7	38
41	Feature selection environment for genomic applications. *BMC Bioinformatics*, **2008**, 9, 451	3.6	38
40	A feature selection technique for inference of graphs from their known topological properties: Revealing scale-free gene regulatory networks. *Information Sciences*, **2014**, 272, 1-15	7.7	37
39	Gene expression complex networks: synthesis, identification, and analysis. *Journal of Computational Biology*, **2011**, 18, 1353-67	1.7	31
38	Inference of gene regulatory networks from time series by Tsallis entropy. *BMC Systems Biology*, **2011**, 5, 61	3.5	26
37	BASiNET-BiologicAl Sequences NETwork: a case study on coding and non-coding RNAs identification. *Nucleic Acids Research*, **2018**, 46, e96	20.1	21
36	A database for the taxonomic and phylogenetic identification of the genus Bradyrhizobium using multilocus sequence analysis. *BMC Genomics*, **2015**, 16 Suppl 5, S10	4.5	15
35	Classification of texture based on Bag-of-Visual-Words through complex networks. *Expert Systems With Applications*, **2019**, 133, 215-224	7.8	13
34	Entropic Biological Score: a cell cycle investigation for GRNs inference. *Gene*, **2014**, 541, 129-37	3.8	13
33	Ptaquiloside reduces NK cell activities by enhancing metallothionein expression, which is prevented by selenium. *Toxicology*, **2013**, 304, 100-8	4.4	11
32	Contributing to agriculture by using soybean seed data from the tetrazolium test. *Data in Brief*, **2019**, 23, 103652	1.2	8
31	Reverse engineering of GRNs **2012**,		7
30	AGN Simulation and Validation Model. *Lecture Notes in Computer Science*, **2008**, 169-173	0.9	7
29	Assessing the gain of biological data integration in gene networks inference. *BMC Genomics*, **2012**, 13 Suppl 6, S7	4.5	6
28	SFFS-MR: A Floating Search Strategy for GRNs Inference. *Lecture Notes in Computer Science*, **2010**, 407-418	0.9	6

27	Combining Texture and Shape Descriptors for Bioimages Classification: A Case of Study in ImageCLEF Dataset. *Lecture Notes in Computer Science*, **2013**, 431-438	0.9	5
26	3D facial expression analysis by using 2D AND 3D wavelet transforms **2011**,		5
25	A Complex Network-Based Approach to the Analysis and Classification of Images. *Lecture Notes in Computer Science*, **2015**, 322-330	0.9	4
24	Feature extraction approaches for biological sequences: a comparative study of mathematical features. *Briefings in Bioinformatics*, **2021**, 22,	13.4	4
23	A RBFN Perceptive Model for Image Thresholding **2005**,		3
22	A Simplified Complex Network-Based Approach to mRNA and ncRNA Transcript Classification. *Lecture Notes in Computer Science*, **2020**, 192-203	0.9	3
21	SFFS-SW: A Feature Selection Algorithm Exploring the Small-World Properties of GNs. *Lecture Notes in Computer Science*, **2014**, 60-71	0.9	3
20	Combining SURF descriptor and complex networks for face recognition **2016**,		3
19	Brazilian-adapted soybean Bradyrhizobium strains uncover IS elements with potential impact on biological nitrogen fixation. *FEMS Microbiology Letters*, **2019**, 366,	2.9	2
18	Comparative study of GRNS inference methods based on feature selection by mutual information **2009**,		2
17	Feature Extraction Approaches for Biological Sequences: A Comparative Study of Mathematical Models		2
16	Feature Extraction of Long Non-coding RNAs: A Fourier and Numerical Mapping Approach. *Lecture Notes in Computer Science*, **2019**, 469-479	0.9	2
15	Analysis of the GRNs Inference by Using Tsallis Entropy and a Feature Selection Approach. *Lecture Notes in Computer Science*, **2009**, 473-480	0.9	2
14	Assessing Active Learning Strategies to Improve the Quality Control of the Soybean Seed Vigor. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 1675-1683	8.9	2
13	An Efficient Approach to Explore and Discriminate Anomalous Regions in Bacterial Genomes Based on Maximum Entropy. *Journal of Computational Biology*, **2017**, 24, 1125-1133	1.7	1
12	A Computer Vision Approach for Automatic Measurement of the Inter-plant Spacing. *Lecture Notes in Computer Science*, **2015**, 219-227	0.9	1
11	The effect of certain Boolean functions in stability of networks with varying topology **2011**,		1
10	Improvement of GNs inference through biological data integration **2011**,		1

9	Analysis of co-authorship networks among Brazilian graduate programs in computer science.. *PLoS ONE*, **2022**, 17, e0261200	3.7	1
8	Evolutionary computation and swarm intelligence for the inference of gene regulatory networks. *International Journal of Innovative Computing and Applications*, **2016**, 7, 225	0.4	1
7	A feature extraction approach based on complex networks for genomic sequences recognition **2016**,		1
6	Computational Analysis of Transposable Elements and CircRNAs in Plants. *Methods in Molecular Biology*, **2021**, 2362, 147-172	1.4	1
5	Inference of Gene Regulatory Networks by Topological Prior Information and Data Integration **2019**, 265-304		0
4	A Feature Selection Approach for Evaluate the Inference of GRNs Through Biological Data Integration - A Case Study on A. Thaliana. *Lecture Notes in Computer Science*, **2015**, 667-675	0.9	
3	A Feature Extraction Approach Based on LBP Operator and Complex Networks for Face Recognition. *Lecture Notes in Computer Science*, **2021**, 440-450	0.9	
2	Inference of Gene Regulatory Networks by Topological Prior Information and Data Integration. *Advances in Medical Technologies and Clinical Practice Book Series*,1-51	0.3	
1	CoffeebEST: an integrated resource for Coffea spp expressed sequence tags. *Genetics and Molecular Research*, **2014**, 13, 10913-20	1.2	