

Gonzalo Travieso

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,774
citations

933447

10
h-index

610901

24
g-index

35
all docs

35
docs citations

35
times ranked

2637
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of complex networks: A survey of measurements. <i>Advances in Physics</i> , 2007, 56, 167-242.	14.4	1,829
2	Analyzing and modeling real-world phenomena with complex networks: a survey of applications. <i>Advances in Physics</i> , 2011, 60, 329-412.	14.4	532
3	A Systematic Comparison of Supervised Classifiers. <i>PLoS ONE</i> , 2014, 9, e94137.	2.5	162
4	Exploring complex networks through random walks. <i>Physical Review E</i> , 2007, 75, 016102.	2.1	63
5	Spread of opinions and proportional voting. <i>Physical Review E</i> , 2006, 74, 036112.	2.1	35
6	Analyzing complex networks through correlations in centrality measurements. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P05030.	2.3	29
7	Chain motifs: The tails and handles of complex networks. <i>Physical Review E</i> , 2008, 77, 026106.	2.1	15
8	Complex grid computing. <i>European Physical Journal B</i> , 2005, 44, 119-128.	1.5	12
9	Border trees of complex networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 224005.	2.1	10
10	Community detection in networks using self-avoiding random walks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 505, 1046-1055.	2.6	10
11	A HIGH PERFORMANCE 3D EXACT EUCLIDEAN DISTANCE TRANSFORM ALGORITHM FOR DISTRIBUTED COMPUTING. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2010, 24, 897-915.	1.2	9
12	Sensitivity of complex networks measurements. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P03009.	2.3	9
13	Protein domain connectivity and essentiality. <i>Applied Physics Letters</i> , 2006, 89, 174101.	3.3	8
14	FAST COMMUNITY IDENTIFICATION BY HIERARCHICAL GROWTH. <i>International Journal of Modern Physics C</i> , 2007, 18, 937-947.	1.7	8
15	A quantitative approach to painting styles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 110-129.	2.6	7
16	Analyzing trails in complex networks. <i>Physical Review E</i> , 2007, 76, 046106.	2.1	6
17	STRENGTH DISTRIBUTION IN DERIVATIVE NETWORKS. <i>International Journal of Modern Physics C</i> , 2005, 16, 1097-1105.	1.7	4
18	Optimizing van der Waals calculi using Cell-lists and MPI. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
19	A quantitative approach to evolution of music and philosophy. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P08010.	2.3	4
20	ON THE EFFECTS OF GEOGRAPHICAL CONSTRAINTS ON TASK EXECUTION IN COMPLEX NETWORKS. International Journal of Modern Physics C, 2008, 19, 847-853.	1.7	3
21	Predicting efficiency in master-slave grid computing systems. Journal of Complex Networks, 2013, 1, 63-71.	1.8	3
22	Parallel computing: A case study. Computer Physics Communications, 1989, 56, 63-67.	7.5	2
23	Effective networks for real-time distributed processing. Journal of Systems Science and Complexity, 2011, 24, 39-50.	2.8	2
24	Asymmetry and irregularity border as discrimination factor between melanocytic lesions. , 2015, , .		2
25	A complex network approach to cloud computing. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 023402.	2.3	2
26	A simple mechanism to deal with sequential code in dataflow architectures. , 0, , .		1
27	The OOPS framework. , 2006, , .		1
28	On the efficiency of data representation on the modeling and characterization of complex networks. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2172-2180.	2.6	1
29	Enhanced Van der Waals calculations in genetic algorithms for protein structure prediction. Concurrency Computation Practice and Experience, 2013, 25, 2170-2186.	2.2	1
30	Fundamentals of neural networks. Neurocomputing, 1996, 10, 205-207.	5.9	0
31	Simulating semiconductor spectra emissions in a PC cluster. , 0, , .		0
32	Parallel implementation of a lattice-gauge-theory code: studying quark confinement on PC clusters. , 0, , .		0
33	HieraAnalyses – a tool for hierarchical analysis of parallel programs. International Journal of High Performance Systems Architecture, 2009, 2, 58.	0.3	0
34	Evaluating links through spectral decomposition. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P01015.	2.3	0
35	Comparing parallel algorithms for van der waals energy with cell-list technique for protein structure prediction. Brazilian Journal of Development, 2019, 5, 7541-7568.	0.1	0