

Fernando Silva

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

845
citations

687335

13
h-index

677123

22
g-index

91
all docs

91
docs citations

91
times ranked

530
citing authors

#	ARTICLE	IF	CITATIONS
1	Mooshak: a Web-based multi-site programming contest system. <i>Software - Practice and Experience</i> , 2003, 33, 567-581.	3.6	90
2	g-tries. , 2010, , .		71
3	G-Tries: a data structure for storing and finding subgraphs. <i>Data Mining and Knowledge Discovery</i> , 2014, 28, 337-377.	3.7	48
4	A Survey on Subgraph Counting. <i>ACM Computing Surveys</i> , 2022, 54, 1-36.	23.0	43
5	Strategies for Network Motifs Discovery. , 2009, , .		35
6	On applying or-parallelism and tabling to logic programs. <i>Theory and Practice of Logic Programming</i> , 2005, 5, 161-205.	1.5	30
7	Parallel discovery of network motifs. <i>Journal of Parallel and Distributed Computing</i> , 2012, 72, 144-154.	4.1	27
8	Comparison of Co-authorship Networks across Scientific Fields Using Motifs. , 2012, , .		26
9	Parallel ILP for distributed-memory architectures. <i>Machine Learning</i> , 2009, 74, 257-279.	5.4	24
10	Temporal network alignment via GoT-WAVE. <i>Bioinformatics</i> , 2019, 35, 3527-3529.	4.1	19
11	Discovering Colored Network Motifs. <i>Studies in Computational Intelligence</i> , 2014, , 107-118.	0.9	19
12	Querying subgraph sets with g-tries. , 2012, , .		18
13	Time series analysis via network science: Concepts and algorithms. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2021, 11, e1404.	6.8	18
14	Efficient Parallel Subgraph Counting Using G-Tries. , 2010, , .		17
15	On a Tabling Engine That Can Exploit Or-Parallelism. <i>Lecture Notes in Computer Science</i> , 2001, , 43-58.	1.3	17
16	Parallel Subgraph Counting for Multicore Architectures. , 2014, , .		16
17	Towards a middleware for mobile edge-cloud applications. , 2017, , .		16
18	April " An Inductive Logic Programming System. <i>Lecture Notes in Computer Science</i> , 2006, , 481-484.	1.3	13

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19	Graphlet-orbit Transitions (GoT): A fingerprint for temporal network comparison. PLoS ONE, 2018, 13, e0205497.	2.5	13
20	P3: Parallel Peer to Peer An Internet Parallel Programming Environment. Lecture Notes in Computer Science, 2002, , 274-288.	1.3	13
21	Using Edge-Clouds to Reduce Load on Traditional WiFi Infrastructures and Improve Quality of Experience. , 2017, , .		12
22	Efficient Subgraph Frequency Estimation with G-Tries. Lecture Notes in Computer Science, 2010, , 238-249.	1.3	12
23	Distribution and Mobility with Lexical Scoping in Process Calculi. Electronic Notes in Theoretical Computer Science, 1998, 16, 189-204.	0.9	10
24	Motif Mining in Weighted Networks. , 2012, , .		10
25	Dynamic inference of social roles in information cascades. Data Mining and Knowledge Discovery, 2015, 29, 1152-1177.	3.7	10
26	Extending the Applicability of Graphlets to Directed Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 1302-1315.	3.0	10
27	YapOr: An Or-Parallel Prolog System Based on Environment Copying. Lecture Notes in Computer Science, 1999, , 178-192.	1.3	10
28	Or-parallel Prolog on a distributed memory architecture. The Journal of Logic Programming, 2000, 43, 173-186.	1.7	9
29	Benchmarking Wireless Protocols for Feasibility in Supporting Crowdsourced Mobile Computing. Lecture Notes in Computer Science, 2016, , 96-108.	1.3	8
30	Energy-aware adaptive offloading of soft real-time jobs in mobile edge clouds. Journal of Cloud Computing: Advances, Systems and Applications, 2021, 10, .	3.9	8
31	Dynamic Mixed-Strategy Evaluation of Tabled Logic Programs. Lecture Notes in Computer Science, 2005, , 250-264.	1.3	8
32	Feature extraction for the author name disambiguation problem in a bibliographic database. , 2017, , .		8
33	A Virtual Machine for a Process Calculus. Lecture Notes in Computer Science, 1999, , 244-260.	1.3	7
34	A Multi-threaded Asynchronous Language. Lecture Notes in Computer Science, 2003, , 316-323.	1.3	7
35	Iris: Secure reliable live-streaming with opportunistic mobile edge cloud offloading. Future Generation Computer Systems, 2019, 101, 272-292.	7.5	6
36	On Avoiding Redundancy in Inductive Logic Programming. Lecture Notes in Computer Science, 2004, , 132-146.	1.3	6

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37	Novel features for time series analysis: a complex networks approach. Data Mining and Knowledge Discovery, 2022, 36, 1062-1101.	3.7	6
38	A pipelined data-parallel algorithm for ILP. , 2005, , .		5
39	Event detection in evolving networks. , 2012, , .		5
40	A Parallel Computing Hybrid Approach for Feature Selection. , 2015, , .		5
41	P3-Mobile. , 2017, , .		5
42	A concurrent programming environment with support for distributed computations and code mobility. , 2000, , .		4
43	Efficient Data Structures for Inductive Logic Programming. Lecture Notes in Computer Science, 2003, , 130-145.	1.3	4
44	Improving the efficiency of inductive logic programming systems. Software - Practice and Experience, 2009, 39, 189-219.	3.6	4
45	Jay: Adaptive Computation Offloading for Hybrid Cloud Environments. , 2020, , .		4
46	DAOS " Scalable And-Or Parallelism. Lecture Notes in Computer Science, 1999, , 899-908.	1.3	4
47	Lightweight Fault-Tolerance for Peer-to-Peer Middleware. , 2010, , .		3
48	A design and implementation of the Extended Andorra Model. Theory and Practice of Logic Programming, 2012, 12, 319-360.	1.5	3
49	Stheno, a real-time fault-tolerant P2P middleware platform for light-train systems. , 2013, , .		3
50	Novel Models for Or-Parallel Logic Programs: A Performance Analysis. Lecture Notes in Computer Science, 2000, , 744-753.	1.3	3
51	BIORED - A Genetic Algorithm for Pattern Detection in Biosequences. Advances in Soft Computing, 2009, , 156-165.	0.4	3
52	A Parallel Algorithm for Counting Subgraphs in Complex Networks. Communications in Computer and Information Science, 2011, , 380-393.	0.5	3
53	YapDss: An Or-Parallel Prolog System for Scalable Beowulf Clusters. Lecture Notes in Computer Science, 2003, , 136-150.	1.3	3
54	Thread- and Process-based Implementations of the pSystem Parallel Programming Environment. Software - Practice and Experience, 1997, 27, 329-351.	3.6	2

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55	Parallel calculation of multi-electrode array correlation networks. Journal of Neuroscience Methods, 2009, 184, 357-364.	2.5	2
56	Or-parallel prolog execution on multicores based on stack splitting. , 2012, , .		2
57	Discovering weighted motifs in gene co-expression networks. , 2015, , .		2
58	Parallel Asynchronous Strategies for the Execution of Feature Selection Algorithms. International Journal of Parallel Programming, 2018, 46, 252-283.	1.5	2
59	Hierarchical Expert Profiling Using Heterogeneous Information Networks. Lecture Notes in Computer Science, 2018, , 344-360.	1.3	2
60	Feature-enriched author ranking in incomplete networks. Applied Network Science, 2019, 4, .	1.5	2
61	OTARIOS: OpTimiziNg Author Ranking with Insiders/Outsiders Subnetworks. Studies in Computational Intelligence, 2019, , 143-154.	0.9	2
62	Pruning in the Extended Andorra Model. Lecture Notes in Computer Science, 2004, , 120-134.	1.3	2
63	On the BEAM Implementation. Lecture Notes in Computer Science, 2003, , 131-135.	1.3	2
64	On Deterministic Computations in the Extended Andorra Model. Lecture Notes in Computer Science, 2003, , 407-421.	1.3	2
65	An or-parallel prolog execution model for a distributed shared memory machine. Lecture Notes in Computer Science, 1993, , 170-182.	1.3	2
66	di_pSystem: A Parallel Programming System for Distributed Memory Architectures. Lecture Notes in Computer Science, 1999, , 525-532.	1.3	2
67	Aurora vs. Muse: a portability study of two or-parallel Prolog systems. Computing Systems in Engineering: an International Journal, 1995, 6, 345-349.	0.5	1
68	Evolutionary role mining in complex networks by ensemble clustering. , 2017, , .		1
69	IMPACT: Innovative Models for Prolog with Advanced Control and Tabling. Lecture Notes in Computer Science, 2005, , 416-417.	1.3	1
70	Video Dissemination in Untethered Edge-Clouds: A Case Study. Lecture Notes in Computer Science, 2018, , 137-152.	1.3	1
71	Finding Dominant Nodes Using Graphlets. Studies in Computational Intelligence, 2020, , 77-89.	0.9	1
72	Fine-grained multithreading with process calculi. IEEE Transactions on Computers, 2001, 50, 852-862.	3.4	0

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73	Achieving scalability in parallel tabled logic programs. , 2002, , .		0
74	Speculative Computations in Or-Parallel Tabled Logic Programs. Lecture Notes in Computer Science, 2004, , 254-268.	1.3	0
75	A peer-to-peer middleware platform for fault-tolerant, QoS, real-time computing. , 2008, , .		0
76	Scheduling OR-parallelism in YapOr and ThOr on Multi-Core Machines. , 2012, , .		0
77	Pairwise structural role mining for user categorization in information cascades. , 2015, , .		0
78	Experimental Evaluation of a Caching Technique for ILP. Lecture Notes in Computer Science, 2003, , 151-155.	1.3	0
79	Concurrent Table Accesses in Parallel Tabled Logic Programs. Lecture Notes in Computer Science, 2004, , 662-670.	1.3	0
80	Topic 9 Parallel Programming: Models, Methods and Languages. Lecture Notes in Computer Science, 2005, , 685-685.	1.3	0
81	Querying Volatile and Dynamic Networks. , 2017, , 1-8.		0
82	Querying Volatile and Dynamic Networks. , 2018, , 1977-1985.		0
83	FOCAS. , 2020, , .		0