Veronica Gil-Costa

List of Publications by Year in descending order

67 papers	425 citations	1040056 9 h-index	996975 15 g-index
70 all docs	70 docs citations	70 times ranked	229 citing authors

#	Article	IF	Citations
1	Distributed search based on self-indexed compressed text. Information Processing and Management, 2012, 48, 819-827.	8.6	33
2	Parallel query processing on distributed clustering indexes. Journal of Discrete Algorithms, 2009, 7, 3-17.	0.7	28
3	New caching techniques for web search engines. , 2010, , .		28
4	Survey on Simulation for Mobile Ad-Hoc Communication for Disaster Scenarios. Journal of Computer Science and Technology, 2016, 31, 326-349.	1.5	27
5	Sync/Async parallel search for the efficient design and construction of web search engines. Parallel Computing, 2010, 36, 153-168.	2.1	20
6	High-performance distributed inverted files. , 2007, , .		19
7	BSP cost and scalability analysis for MapReduce operations. Concurrency Computation Practice and Experience, 2016, 28, 2503-2527.	2.2	13
8	Efficient Parallel Block-Max WAND Algorithm. Lecture Notes in Computer Science, 2013, , 394-405.	1.3	12
9	Scheduling Metric-Space Queries Processing on Multi-Core Processors. , 2010, , .		11
10	DEVS modeling of large scale Web Search Engines. , 2014, , .		10
11	Efficient Similarity Search by Combining Indexing and Caching Strategies. Lecture Notes in Computer Science, 2015, , 486-497.	1.3	10
12	Capacity Planning for Vertical Search Engines: An Approach Based on Coloured Petri Nets. Lecture Notes in Computer Science, 2012, , 288-307.	1.3	10
13	Distributing a Metric-Space Search Index onto Processors. , 2010, , .		9
14	Reducing hardware hit by queries in web search engines. Information Processing and Management, 2016, 52, 1031-1052.	8.6	9
15	Simulating Search Engines. Computing in Science and Engineering, 2017, 19, 62-73.	1.2	9
16	Modelling Search Engines Performance Using Coloured Petri Nets. Fundamenta Informaticae, 2014, 131, 139-166.	0.4	8
17	Web search results caching service for structured P2P networks. Future Generation Computer Systems, 2014, 30, 254-264.	7.5	8
18	Distributed text search using suffix arrays. Parallel Computing, 2014, 40, 471-495.	2.1	8

#	Article	IF	Citations
19	Modelling efficient novelty-based search result diversification in metric spaces. Journal of Discrete Algorithms, 2013, 18, 75-88.	0.7	7
20	Multithreaded Processing in Dynamic Inverted Indexes for Web Search Engines. , 2015, , .		7
21	Dynamic P2P Indexing and Search Based on Compact Clustering. , 2009, , .		6
22	Approximate distributed metric-space search. , 2011, , .		6
23	Load Balancing Query Processing in Metric-Space Similarity Search. , 2012, , .		6
24	Distributing Efficiently the Block-Max WAND Algorithm. Procedia Computer Science, 2013, 18, 120-129.	2.0	6
25	Approximate parallel simulation of web search engines. , 2013, , .		6
26	Feasibility of P2P-STB based crowdsourcing to speed-up photo classification for natural disasters. Cluster Computing, 0, , 1.	5.0	6
27	Scheduling Intersection Queries in Term Partitioned Inverted Files. Lecture Notes in Computer Science, 2008, , 434-443.	1.3	6
28	Two-Dimensional Distributed Inverted Files. Lecture Notes in Computer Science, 2009, , 206-213.	1.3	6
29	Location cache for web queries. , 2009, , .		5
30	Performance evaluation of single vs. batch of queries on GPUs. Concurrency Computation Practice and Experience, 2020, 32, e5474.	2.2	5
31	Sparse Spatial Selection for Novelty-Based Search Result Diversification. Lecture Notes in Computer Science, 2011, , 344-355.	1.3	5
32	Load Balance Strategies for DEVS Approximated Parallel and Distributed Discrete-Event Simulations. , 2015, , .		4
33	Black-Box Optimization of Hadoop Parameters Using Derivative-Free Optimization. , 2016, , .		4
34	Semiâ€asynchronous approximate parallel DEVS simulation of web search engines. Concurrency Computation Practice and Experience, 2018, 30, e4149.	2.2	4
35	Heterogeneous SoC-based acceleration of MPEG-7 compliance image retrieval process. Journal of Real-Time Image Processing, 2018, 15, 161-172.	3.5	4
36	Efficient traversal of decision tree ensembles with FPGAs. Journal of Parallel and Distributed Computing, 2021, 155, 38-49.	4.1	4

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37	Performance Evaluation of Improved Web Search Algorithms. Lecture Notes in Computer Science, 2011, , 236-250.	1.3	4
38	Distributed Sparse Spatial Selection Indexes. , 2008, , .		3
39	Service Deployment Algorithms for Vertical Search Engines. , 2013, , .		3
40	A graph-based cache for large-scale similarity search engines. Journal of Supercomputing, 2018, 74, 2006-2034.	3.6	3
41	A Parallel Implementation of WAND on GPUs. , 2018, , .		3
42	A Simulation Tool for a Large-Scale Nosql Database. , 2019, , .		3
43	An Empirical Evaluation of a Distributed Clustering-Based Index for Metric Space Databases. , 2008, , .		2
44	MinVisited: A Message Routing Protocol for Delay Tolerant Network. , 2018, , .		2
45	A Service-Oriented Platform for Approximate Bayesian Computation in Population Genetics. Journal of Computational Biology, 2019, 26, 266-279.	1.6	2
46	Hybrid capacity planning methodology for web search engines. Simulation Modelling Practice and Theory, 2019, 93, 148-163.	3.8	2
47	An empirical evaluation of a distributed clustering-based index for metric space databases. , 2008, , .		1
48	Data Partitioning Evaluation for Multimedia Systems in Hybrid Environments. , 2012, , .		1
49	Assessing Energy Efficiency in ISP and Web Search Engine Collaboration. , 2014, , .		1
50	Hybrid Classification of Resistors through Image Processing. , 2014, , .		1
51	A Dynamic Load Balance Algorithm for the S4 Parallel Stream Processing Engine. , 2016, , .		1
52	Towards rapid population genetics forward-in-time simulations. , 2017, , .		1
53	Multi-BSP vs. BSP: A Case of Study for Dell AMD Multicores. , 2018, , .		1
54	A Digital TV-Based Distributed Image Processing Platform for Natural Disasters. , 2019, , .		1

#	Article	IF	Citations
55	An Evaluation of Fault-Tolerant Query Processing for Web Search Engines. Lecture Notes in Computer Science, 2011, , 393-404.	1.3	1
56	Control y administración de datos en una mina subterránea de oro y plata. Tecnura, 2020, 24, 66-80.	0.4	1
57	Bot-Based Emergency Software Applications for Natural Disaster Situations. Future Internet, 2022, 14, 81.	3.8	1
58	A Fault-Tolerant Cache Service for Web Search Engines. , 2012, , .		0
59	UML Profile for Mining Process: Supporting Modeling and Simulation Based on Metamodels of Activity Diagram. Modelling and Simulation in Engineering, 2014, 2014, 1-10.	0.7	0
60	Running Time Prediction for Web Search Queries. Lecture Notes in Computer Science, 2016, , 210-220.	1.3	0
61	Improving the Network of Search Engine Services Through Application-Driven Routing. Lecture Notes in Computer Science, 2017, , 638-650.	1.3	0
62	Parallel Strategies for the Execution of Top-k Queries with MaxScore on GPUs. , 2019, , .		0
63	Elastic and Real-time Capacity Planning for Web Search Engines. , 2020, , .		0
64	High‐performance computing for computational science. Concurrency Computation Practice and Experience, 2020, 32, e5904.	2.2	0
65	A DFT-Based Running Time Prediction Algorithm for Web Queries. Future Internet, 2021, 13, 204.	3.8	0
66	3D Inverted Index with Cache Sharing for Web Search Engines. Lecture Notes in Computer Science, 2012, , 272-284.	1.3	0
67	Hardware Acceleration of CBIR System with FPGA-Based Platform. Advances in Computer and Electrical Engineering Book Series, 2016, , 138-170.	0.3	0