

Alan Sussman

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

833
citations

758635

12
h-index

887659

17
g-index

41
all docs

41
docs citations

41
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed processing of very large datasets with DataCutter. <i>Parallel Computing</i> , 2001, 27, 1457-1478.	1.3	161
2	Twenty Years of Digital Pathology: An Overview of the Road Travelled, What is on the Horizon, and the Emergence of Vendor-Neutral Archives. <i>Journal of Pathology Informatics</i> , 2018, 9, 40.	0.8	145
3	The virtual microscope. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2003, 7, 230-248.	3.6	72
4	Tuning the performance of I/O-intensive parallel applications. , 1996, , .		49
5	Processing large-scale multi-dimensional data in parallel and distributed environments. <i>Parallel Computing</i> , 2002, 28, 827-859.	1.3	47
6	T2. <i>SIGMOD Record</i> , 1998, 27, 58-66.	0.7	30
7	Optimizing execution of component-based applications using group instances. <i>Future Generation Computer Systems</i> , 2002, 18, 435-448.	4.9	29
8	Querying very large multi-dimensional datasets in ADR. , 1999, , .		26
9	Resource Discovery Techniques in Distributed Desktop Grid Environments. , 2006, , .		26
10	OBJECT-RELATIONAL QUERIES INTO MULTIDIMENSIONAL DATABASES WITH THE ACTIVE DATA REPOSITORY. <i>Parallel Processing Letters</i> , 1999, 09, 173-195.	0.4	21
11	A high performance multi-perspective vision studio. , 2003, , .		20
12	Multiple query scheduling for distributed semantic caches. <i>Journal of Parallel and Distributed Computing</i> , 2010, 70, 598-611.	2.7	19
13	A Performance Prediction Framework for Data Intensive Applications on Large Scale Parallel Machines. <i>Lecture Notes in Computer Science</i> , 1998, , 243-258.	1.0	18
14	Run-Time and Compiler Support for Programming in Adaptive Parallel Environments. <i>Scientific Programming</i> , 1997, 6, 215-227.	0.5	15
15	A simulation and data analysis system for large-scale, data-driven oil reservoir simulation studies. <i>Concurrency Computation Practice and Experience</i> , 2005, 17, 1441-1467.	1.4	14
16	Principles for designing data-/compute-intensive distributed applications and middleware systems for heterogeneous environments. <i>Journal of Parallel and Distributed Computing</i> , 2007, 67, 755-771.	2.7	14
17	Driving Scientific Applications by Data in Distributed Environments. <i>Lecture Notes in Computer Science</i> , 2003, , 355-364.	1.0	12
18	Building complex coupled physical simulations on the grid with InterComm. <i>Engineering With Computers</i> , 2006, 22, 311-323.	3.5	10

#	ARTICLE	IF	CITATIONS
19	Data management and query—Multiple range query optimization with distributed cache indexing. , 2006, , .		10
20	Decentralized resource management for multi-core desktop grids. , 2010, , .		10
21	Decentralized, accurate, and low-cost network bandwidth prediction. , 2011, , .		10
22	Performance impact of proxies in data intensive client-server applications. , 1999, , .		8
23	Analyzing design choices for distributed multidimensional indexing. Journal of Supercomputing, 2012, 59, 1552-1576.	2.4	8
24	Integrating categorical resource types into a P2P desktop grid system. , 2008, , .		7
25	Time and space optimization for processing groups of multi-dimensional scientific queries. , 2004, , .		6
26	Decentralized Scheduling and Load Balancing for Parallel Programs. , 2014, , .		6
27	Searching for Bandwidth-Constrained Clusters. , 2011, , .		5
28	Overlap and Synergy in Testing Software Components across Loosely Coupled Communities. , 2012, , .		5
29	Coordinated Collaborative Testing of Shared Software Components. , 2016, , .		5
30	Multiple Range Query Optimization with Distributed Cache Indexing. , 2006, , .		4
31	Prioritizing component compatibility tests via user preferences. , 2009, , .		4
32	Automatic Computer System Characterization for a Parallelizing Compiler. , 2011, , .		4
33	Supporting Computing Element Heterogeneity in P2P Grids. , 2011, , .		3
34	Scalable System Environment Caching and Sharing for Distributed Virtual Machines. , 2014, , .		3
35	Scalable and effective peer-to-peer desktop grid system. Cluster Computing, 2014, 17, 1185-1201.	3.5	2
36	Decentralized multi-attribute range search for resource discovery and load balancing. Journal of Supercomputing, 2014, 68, 890-913.	2.4	2

#	ARTICLE	IF	CITATIONS
37	A Ping Too Far: Real World Network Latency Measurement. , 2015, , .		2
38	A codesign framework for online data analysis and reduction. Concurrency Computation Practice and Experience, 0, , e6519.	1.4	1
39	Taking Advantage of Collective Operation Semantics for Loosely Coupled Simulations. , 2007, , .		0
40	Reducing the Cost of Measuring Memory Hierarchy Communication Parameters. , 2013, , .		0
41	Exploiting multi-core nodes in peer-to-peer grids. Journal of Parallel and Distributed Computing, 2014, 74, 2286-2303.	2.7	0