Mohsen Sharifi

List of Publications by Year
in descending order

139 papers	**1,839** citations	471509 **17** h-index	330143 **37** g-index
144 all docs	**144** docs citations	**144** times ranked	**1743** citing authors

#	Article	IF	Citations
1	A hierarchical multi-objective task scheduling approach for fast big data processing. Journal of Supercomputing, 2022, 78, 2307-2336.	3.6	5
2	ETAS: predictive scheduling of functions on worker nodes of Apache OpenWhisk platform. Journal of Supercomputing, 2022, 78, 5358-5393.	3.6	7
3	SP-ant: An ant colony optimization based operator scheduler for high performance distributed stream processing on heterogeneous clusters. Expert Systems With Applications, 2022, 191, 116322.	7.6	5
4	The randomized, controlled ATLANTIS trial of aquatic therapy for chronic venous insufficiency. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2021, 9, 961-970.	1.6	9
5	Resource discovery mechanisms in pure unstructured peer-to-peer systems: a comprehensive survey. Peer-to-Peer Networking and Applications, 2021, 14, 729-746.	3.9	6
6	ACEP: an adaptive strategy for proactive and elastic processing of complex events. Journal of Supercomputing, 2021, 77, 4718-4753.	3.6	1
7	DPAS: A dynamic popularity-aware search mechanism for unstructured P2P systems. Peer-to-Peer Networking and Applications, 2020, 13, 825-849.	3.9	3
8	An Accurate Persian Part-of-Speech Tagger. Computer Systems Science and Engineering, 2020, 35, 423-430.	2.4	1
9	Cloud service selection using cloud service brokers: approaches and challenges. Frontiers of Computer Science, 2019, 13, 599-617.	2.4	5
10	PARS: A parallel model for scaled processing of complex events. Journal of Systems and Software, 2019, 155, 1-16.	4.5	1
11	Retrospective comparison of ultrasound facilitated catheter-directed thrombolysis and systemically administered half-dose thrombolysis in treatment of pulmonary embolism. Vascular Medicine, 2019, 24, 103-109.	1.5	23
12	Scalable complex event processing using adaptive load balancing. Journal of Systems and Software, 2019, 149, 305-317.	4.5	13
13	CTS: An operating system CPU scheduler to mitigate tail latency for latency-sensitive multi-threaded applications. Journal of Parallel and Distributed Computing, 2019, 133, 232-243.	4.1	5
14	Data-Parallel Computational Model for Next Generation Sequencing on Commodity Clusters. Lecture Notes in Computer Science, 2019, , 273-288.	1.3	2
15	The Influence of Memory-Aware Computation on Distributed BLAST. Current Bioinformatics, 2019, 14, 157-163.	1.5	2
16	ppXen: A hypervisor CPU scheduler for mitigating performance variability in virtualized clouds. Future Generation Computer Systems, 2018, 83, 75-84.	7.5	8
17	Non-clairvoyant online scheduling of synchronized jobs on virtual clusters. Journal of Supercomputing, 2018, 74, 2353-2384.	3.6	1
18	TerrierTail: Mitigating Tail Latency of Cloud Virtual Machines. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 2346-2359.	5.6	10

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19	Business process monitoring via decentralized complex event processing. Enterprise Information Systems, 2018, 12, 1257-1284.	4.7	8
20	Reducing Load Imbalance of Virtual Clusters via Reconfiguration and Adaptive Job Scheduling. , 2017, , .		0
21	Scheduling of online compute-intensive synchronized jobs on high performance virtual clusters. Journal of Computer and System Sciences, 2017, 85, 1-17.	1.2	5
22	Sequence Similarity Parallelization over Heterogeneous Computer Clusters Using Data Parallel Programming Model. Scalable Computing, 2017, 18, .	1.0	0
23	Pulseless electrical activity in pulmonary embolism treated with thrombolysis (from the â€œPEAPETTâ€ Tj ETQq1 1 0.784314 rgBT /Ove	1.6	44
24	Stateful complex event detection on event streams using parallelization of event stream aggregations and detection tasks. , 2016, , .		1
25	Kani: a QoS-aware hypervisor-level scheduler for cloud computing environments. Cluster Computing, 2016, 19, 567-583.	5.0	10
26	Systemic Full Dose, Half Dose, and Catheter Directed Thrombolysis for Pulmonary Embolism. When to Use and How to Choose?. Current Treatment Options in Cardiovascular Medicine, 2016, 18, 31.	0.9	3
27	New Oral Anticoagulants in the Treatment of Heparin- Induced Thrombocytopenia. Thrombosis Research, 2015, 135, 607-609.	1.7	44
28	Parallel event processing on unbound streams with multi-step windowing. , 2015, , .		1
29	Transforming and Simplifying the Treatment of Pulmonary Embolism: â€œSafe Doseâ€Thrombolysis Plus New Oral Anticoagulants. Lung, 2015, 193, 369-374.	3.3	14
30	cCluster: A Core Clustering Mechanism for Workload-Aware Virtual Machine Scheduling. , 2015, , .		4
31	Low incidence of post-thrombotic syndrome in patients treated with new oral anticoagulants and percutaneous endovenous intervention for lower extremity deep venous thrombosis. Vascular Medicine, 2015, 20, 112-116.	1.5	13
32	Multics and Plan 9: The Big Bangs in the Distributed Computing System Universe. Computing in Science and Engineering, 2014, 16, 76-85.	1.2	1
33	AMRC: an algebraic model for reconfiguration of high performance cluster computing systems at runtime. Journal of Supercomputing, 2014, 67, 1-30.	3.6	15
34	An efficient resource discovery framework for pure unstructured peer-to-peer systems. Computer Networks, 2014, 59, 213-226.	5.1	14
35	A model for communication between resource discovery and load balancing units in computing environments. Journal of Supercomputing, 2014, 68, 1538-1555.	3.6	8
36	Safeâ€Dose Thrombolysis Plus Rivaroxaban for Moderate and Severe Pulmonary Embolism: Drip, Drug, and Discharge. Clinical Cardiology, 2014, 37, 78-82.	1.8	30

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37	Enhancing the OPEN Process Framework with service-oriented method fragments. Software and Systems Modeling, 2014, 13, 361-390.	2.7	12
38	Probabilistic Proximity-aware Resource Location in Peer-to-Peer Networks Using Resource Replication. International Journal of Computers, Communications and Control, 2014, 5, 418.	1.8	4
39	A mathematical model for empowerment of Beowulf clusters for exascale computing. , 2013, , .		5
40	A Dynamic Replication Mechanism to Reduce Response-Time of I/O Operations in High Performance Computing Clusters. , 2013, , .		1
41	A novel string distance metric for ranking Persian respelling suggestions. Natural Language Engineering, 2013, 19, 259-284.	2.5	11
42	PASTA: a power-aware solution to scheduling of precedence-constrained tasks on heterogeneous computing resources. Computing (Vienna/New York), 2013, 95, 67-88.	4.8	20
43	Alamut: a high-performance network intrusion detection system in support of virtualized environments. Security and Communication Networks, 2013, 6, 1310-1318.	1.5	1
44	Author's Reply. American Journal of Cardiology, 2013, 111, 1831.	1.6	0
45	Batch scheduling of consolidated virtual machines based on their workload interference model. Future Generation Computer Systems, 2013, 29, 2057-2066.	7.5	10
46	Connectivity Weakness Impacts on Coordination in Wireless Sensor and Actor Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 145-166.	39.4	31
47	<scp>A</scp>tlantis: a time€value model in e€commerce. Journal of Applied Social Psychology, 2013, 43, 1211-1227.	2.0	2
48	Catheter-directed Thrombolysis with Argatroban and tPA for Massive Iliac and Femoropopliteal Vein Thrombosis. CardioVascular and Interventional Radiology, 2013, 36, 1586-1590.	2.0	14
49	Moderate Pulmonary Embolism Treated With Thrombolysis (from the "MOPETT" Trial). American Journal of Cardiology, 2013, 111, 273-277.	1.6	461
50	VMM detection using privilege rings and benchmark execution times. International Journal of Communication Networks and Distributed Systems, 2013, 11, 310.	0.4	2
51	<u>T</u>hrombus<u>O</u>bliteration by<u>R</u>apid<u>P</u>ercutaneous<u>E</u>ndovenous Intervention in<u>D</u>eep Venous<u>O</u>cclusion (TORPEDO) Trial:Midterm Results. Journal of Endovascular Therapy, 2012, 19, 273-280.	1.5	96
52	Dynamic Multilevel Feedback-Based Searching Strategy in Unstructured Peer-to-Peer Systems. , 2012, , .		6
53	A Dynamic Popularity-Aware Load Balancing Algorithm for Structured P2P Systems. Lecture Notes in Computer Science, 2012, , 77-84.	1.3	6
54	Coverage rate calculation in wireless sensor networks. Computing (Vienna/New York), 2012, 94, 833-856.	4.8	21

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55	A low-overhead structure maintenance approach for building robust structured P2P systems. , 2012, , .		1
56	A Survey and Taxonomy of Cyber Foraging of Mobile Devices. IEEE Communications Surveys and Tutorials, 2012, 14, 1232-1243.	39.4	85
57	Role of IVC Filters in Endovenous Therapy for Deep Venous Thrombosis: The FILTER-PEVI (Filter) Tj ETQq1 1 0.784314 rgBT /Overlock 1 CardioVascular and Interventional Radiology, 2012, 35, 1408-1413.	2.0	72
58	Scate: A Scalable Time and Energy Aware Actor Task Allocation Algorithm in Wireless Sensor and Actor Networks. ETRI Journal, 2012, 34, 330-340.	2.0	9
59	Dynamic routing of data stream tuples among parallel query plan running on multi-core processors. Distributed and Parallel Databases, 2012, 30, 145-176.	1.6	7
60	Power-efficient distributed scheduling of virtual machines using workload-aware consolidation techniques. Journal of Supercomputing, 2012, 61, 46-66.	3.6	56
61	A platform independent distributed IPC mechanism inÂsupport of programming heterogeneous distributed systems. Journal of Supercomputing, 2012, 59, 548-567.	3.6	4
62	Local Robustness: A Process Migration Criterion in HPC Clusters. Communications in Computer and Information Science, 2011, , 374-382.	0.5	0
63	A Distributed Algorithm for Î³-Quasi-Clique Extractions in Massive Graphs. Communications in Computer and Information Science, 2011, , 422-431.	0.5	2
64	Process patterns for service-oriented software development. , 2011, , .		3
65	Effect of anticoagulation on endothermal ablation of the great saphenous vein. Journal of Vascular Surgery, 2011, 53, 147-149.	1.1	25
66	Distributed assignment of real-time tasks in wireless sensor actor networks. IEICE Electronics Express, 2011, 8, 429-435.	0.8	3
67	A transparent virtual machine monitor level packet compression network service. Procedia Computer Science, 2011, 3, 401-407.	2.0	1
68	Task allocation to actors in wireless sensor actor networks: an energy and time aware technique. Procedia Computer Science, 2011, 3, 484-490.	2.0	21
69	Augmented Mobile Devices through Cyber Foraging. , 2011, , .		3
70	Parameters affecting the functionality of memory allocators. , 2011, , .		5
71	Task-Oriented Programming: A Suitable Programming Model for Multicore and Distributed Systems. , 2011, , .		4
72	Improving Learning-Based Request Forwarding in Resource Discovery through Load-Awareness. Lecture Notes in Computer Science, 2011, , 73-82.	1.3	7

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73	An Efficient Live Process Migration Approach for High Performance Cluster Computing Systems. Communications in Computer and Information Science, 2011, , 362-373.	0.5	5
74	A Context-Based Cyber Foraging Approach to Mobile Computing Empowerment. Communications in Computer and Information Science, 2011, , 358-367.	0.5	0
75	An S2P-based resource discovery mechanism for tuple-based pervasive systems. International Journal of Autonomous and Adaptive Communications Systems, 2010, 3, 265.	0.3	1
76	Providing location privacy in pervasive computing through a hybrid mechanism. International Journal of Internet Technology and Secured Transactions, 2010, 2, 160.	0.4	2
77	A dynamic framework for integrated management ofÂall types of resources in P2P systems. Journal of Supercomputing, 2010, 52, 149-170.	3.6	21
78	Percutaneous therapy of acute on chronic lower extremity venous occlusive disease. Catheterization and Cardiovascular Interventions, 2010, 75, 685-689.	1.7	4
79	Endovenous therapy for deep venous thrombosis: The TORPEDO trial. Catheterization and Cardiovascular Interventions, 2010, 76, 316-325.	1.7	102
80	Formulating the real cost of DSM-inherent dependent parameters in HPC clusters. , 2010, , .		2
81	Towards a system-wide and transparent security mechanism using language-level information flow control. , 2010, , .		5
82	Improving Software Dependability Using System-Level Virtualization: A Survey. , 2010, , .		1
83	Network service provisioning using system-level virtualization. , 2010, , .		4
84	VMM-level distributed transparency provisioning using Cloud infrastructure technology. , 2010, , .		2
85	Rejuvenating High Available Virtualized Systems. , 2010, , .		23
86	Self Actor-Actor Connectivity Restoration in Wireless Sensor and Actor Networks. , 2009, , .		9
87	Energy-Aware Task Allocation in Wireless Sensor Actor Networks. , 2009, , .		3
88	A Geometric Modelling Approach to Determining the Best Sensing Coverage for 3-Dimensional Acoustic Target Tracking in Wireless Sensor Networks. Sensors, 2009, 9, 6764-6794.	3.8	5
89	Determining the Best Sensing Coverage for 2-Dimensional Acoustic Target Tracking. Sensors, 2009, 9, 3405-3436.	3.8	9
90	SKEW: An efficient Self Key Establishment protocol for Wireless sensor networks. , 2009, , .		9

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91	A New Approach to Task Allocation in Wireless Sensor Actor Networks. , 2009, , .		12
92	Component-Based Self-Healing via Cellular Adaptation. , 2009, , .		1
93	A Hybrid Approach to Actor-Actor Connectivity Restoration in Wireless Sensor and Actor Networks. , 2009, , .		10
94	Load Balancing Using Consistent Hashing: A Real Challenge for Large Scale Distributed Web Crawlers. , 2009, , .		5
95	An algorithmic incremental and iterative development method to parallelize dusty-deck FORTRAN HPC codes in GPGPUs using CUDA. , 2009, , .		0
96	LAP: A Lightweight Authentication Protocol for smart dust wireless sensor networks. , 2009, , .		7
97	A Minimalist Path Detection Approach for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2009, 5, 576-595.	2.2	0
98	Using S2P for routing awareness in tuple-based pervasive systems. International Journal of Internet Protocol Technology, 2009, 4, 91.	0.2	2
99	YAARC: yet another approach to further reducing theÂrateÂofÂconflict misses. Journal of Supercomputing, 2008, 44, 24-40.	3.6	0
100	A New Hybrid Farsi Text Summarization Technique Based on Term Co-Occurrence and Conceptual Property of the Text. , 2008, , .		12
101	Failure Prediction Mechanisms in Cluster Systems. , 2008, , .		3
102	Analysis of a Replication-Aware Transaction model by means of Stochastic Reward Networks. , 2008, , .		0
103	VCE: A New Personated Virtual Cluster Engine for Cluster Computing. , 2008, , .		5
104	Reliability assessment under uncertainty using Dempster-Shafer and vague set theories. , 2008, , .		7
105	Formulating the influence of peer-to-peer systems scale up on access transparency. , 2008, , .		1
106	Discovering Resources in Tuple-Based Pervasive Systems using Resource-Aware Routing. , 2008, , .		1
107	Simulative study of target tracking accuracy based on time synchronization error in wireless sensor networks. , 2008, , .		4
108	An Efficient Algorithm to Detect Faulty Reading in Wireless Sensor Network Using the Concept of Reputation. , 2008, , .		0

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109	Availability and Accuracy of Distributed Web Crawlers: A Model-Based Evaluation. , 2008, , .		4
110	A distributed recovery mechanism for actor-actor connectivity in wireless sensor actor networks. , 2008, , .		6
111	Service requirements for actor-actor coordination through sensor nodes in wireless sensor actor networks. , 2008, , .		4
112	OTSX: An extended transaction service in support of FT-CORBA standard. , 2008, , .		1
113	A Biologically-Inspired Preventive Mechanism for Self-Healing of Distributed Software Components. , 2008, , .		6
114	A routing-aware middleware-level mechanism for tuple-based pervasive systems. , 2008, , .		3
115	A distributed algorithm for restoring actor-actor connectivity in wireless sensor and actor networks. , 2008, , .		2
116	An Enhanced Routing Protocol for Wireless Sensor Networks. , 2008, , .		0
117	Evaluating the Effect of Inter Process Communication Efficiency on High Performance Distributed Scientific Computing. , 2008, , .		3
118	To Establish Enterprise Service Model from Enterprise Business Model. , 2008, , .		40
119	SLDRM: A self local license digital rights management system. , 2008, , .		5
120	A phishing sites blacklist generator. , 2008, , .		24
121	A trust-based distributed data fault detection algorithm for wireless sensor networks. , 2008, , .		4
122	A Self-Training Algorithm for Load Balancing in Cluster Computing. , 2008, , .		8
123	A Case for Kernel Level Implementation of Inter Process Communication Mechanisms. , 2008, , .		5
124	Simulative study of error propagation in target tracking based on time synchronization error in wireless sensor networks. , 2008, , .		2
125	ALMAS: An Application-Level Memory Management Service. , 2008, , .		0
126	The Influence of Efficient Message Passing Mechanisms on High Performance Distributed Scientific Computing. , 2008, , .		2

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127	A Simulation-Based Study on Memory Design Issues for Embedded Systems. Lecture Notes in Electrical Engineering, 2008, , 453-465.	0.4	0
128	Percutaneous Balloon Aortic Valvuloplasty: A New Look at an Old Procedure. Angiology, 2007, 57, 724-728.	1.8	3
129	Performance Evaluation of Cache Memory Organizations in Embedded Systems. , 2007, , .		11
130	Autonomic Computing: A New Approach. , 2007, , .		21
131	A Preliminary Formal Specification of Virtual Organization Creation with RAISE Specification Language. , 2007, , .		0
132	How to Counter Control Flow Tampering Attacks. , 2007, , .		1
133	Is Transesophageal Echocardiography Necessary before D.C. Cardioversion in Patients with a Normal Transthoracic Echocardiogram?. Echocardiography, 2007, 24, 397-400.	0.9	5
134	A Publish-Subscribe Middleware for Real-Time Wireless Sensor Networks. Lecture Notes in Computer Science, 2006, , 981-984.	1.3	8
135	Dependability Considerations in Wireless Sensor Networks Applications. Journal of Networks, 2006, 1, .	0.4	16
136	Intense Migraines Secondary to Percutaneous Closure of Atrial Septal Defects. Journal of Interventional Cardiology, 2005, 18, 181-183.	1.2	32
137	Providing Local ORB-Like Services to Collocated CORBA Components. , 2005, , .		0
138	Twiddling to the extreme: development of twiddler syndrome in an implanted cardioverter-defibrilllator. Journal of Invasive Cardiology, 2005, 17, 195-6.	0.4	9
139	Modeling and evaluating the time overhead induced by BER in COMA multiprocessors. Journal of Systems Architecture, 2003, 48, 377-385.	4.3	0