LuÃs Veiga

List of Publications by Year
in descending order

137 papers	835 citations	932766 10 h-index	940134 16 g-index
142 all docs	142 docs citations	142 times ranked	647 citing authors

#	Article	IF	Citations
1	Heuristic for resources allocation on utility computing infrastructures. , 2008, , .		43
2	A Lightweight Service Placement Approach for Community Network Micro-Clouds. Journal of Grid Computing, 2019, 17, 169-189.	2.5	41
3	Practical Service Placement Approach for Microservices Architecture. , 2017, , .		25
4	Rubah. , 2014, , .		24
5	Partial Utility-Driven Scheduling for Flexible SLA and Pricing Arbitration in Clouds. IEEE Transactions on Cloud Computing, 2016, 4, 467-480.	3.1	24
6	Clouds of small things: Provisioning infrastructure-as-a-service from within community networks. , 2013, , .		22
7	Programming languages for data-Intensive HPC applications: A systematic mapping study. Parallel Computing, 2020, 91, 102584.	1.3	19
8	Runtime Object Lifetime Profiler for Latency Sensitive Big Data Applications. , 2019, , .		18
9	Internet-scale support for map-reduce processing. Journal of Internet Services and Applications, 2013, 4, 18.	1.6	17
10	WaaS: Workflow-as-a-Service for the Cloud with Scheduling of Continuous and Data-Intensive Workflows. Computer Journal, 2016, 59, 371-383.	1.5	17
11	An Adaptive Distributed Simulator for Cloud and MapReduce Algorithms and Architectures. , 2014, , .		16
12	SD-CPS: Taming the challenges of Cyber-Physical Systems with a Software-Defined approach. , 2017, , .		16
13	Unifying divergence bounding and locality awareness inÂreplicated systems with vector-field consistency. Journal of Internet Services and Applications, 2010, 1, 95-115.	1.6	15
14	Flexible SLAs in the Cloud with a Partial Utility-Driven Scheduling Architecture. , 2013, , .		15
15	Energy Efficient Cloud Service Provisioning: Keeping Data Center Granularity in Perspective. Journal of Grid Computing, 2016, 14, 299-325.	2.5	15
16	Concurrent and Distributed CloudSim Simulations. , 2014, , .		14
17	Energy Efficiency Dilemma: P2P-cloud vs. Datacenter. , 2014, , .		14
18	Cassowary. , 2015, , .		13

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19	An adaptive semantics-aware replacement algorithm for web caching. Journal of Internet Services and Applications, 2015, 6, .	1.6	13
20	Service and resource discovery in cycle-sharing environments with a utility algebra. , 2010, , .		12
21	GiGi: An Ocean of Gridlets on a "Grid-for-the-Masses". , 2007, , .		11
22	nuBOINC: BOINC Extensions for Community Cycle Sharing. , 2008, , .		11
23	Quality-of-Service for Consistency of Data Geo-replication in Cloud Computing. Lecture Notes in Computer Science, 2012, , 285-297.	1.0	11
24	Client-side routing-agnostic gateway selection for heterogeneous Wireless Mesh Networks. , 2017, , .		11
25	An analysis of the graph processing landscape. Journal of Big Data, 2021, 8, 55.	6.9	11
26	OBIWAN: design and implementation of a middleware platform. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 1086-1099.	4.0	10
27	A2HAâ€"automatic and adaptive host allocation in utility computing for bag-of-tasks. Journal of Internet Services and Applications, 2011, 2, 171-185.	1.6	10
28	Large-scale volunteer computing over the Internet. Journal of Internet Services and Applications, 2012, 3, 329-346.	1.6	10
29	A checkpointingâ€"enabled and resourceâ€"aware Java Virtual Machine for efficient and robust eâ€"Science applications in grid environments. Concurrency Computation Practice and Experience, 2012, 24, 1421-1442.	1.4	10
30	Hash challenges: Stretching the limits of compare-by-hash in distributed data deduplication. Information Processing Letters, 2012, 112, 380-385.	0.4	10
31	Quality-of-data for consistency levels in geo-replicated cloud data stores. , 2013, , .		10
32	On-demand big data integration. Distributed and Parallel Databases, 2019, 37, 273-295.	1.0	10
33	SD-CPS: software-defined cyber-physical systems. Taming the challenges of CPS with workflows at the edge. Cluster Computing, 2019, 22, 661-677.	3.5	10
34	Distributed and Decentralized Orchestration of Containers on Edge Clouds. Journal of Grid Computing, 2021, 19, 1.	2.5	10
35	Combing Smart Grid with community clouds: Next generation integrated service platform. , 2014, , .		9
36	Integration of an Assisted P2P Live Streaming Service in Community Network Clouds. , 2015, , .		9

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37	Gelly-scheduling. , 2018, , .		9
38	QoE-JVM: An Adaptive and Resource-Aware Java Runtime for Cloud Computing. Lecture Notes in Computer Science, 2012, , 566-583.	1.0	9
39	Vector-Field Consistency for Ad-Hoc Gaming. Lecture Notes in Computer Science, 2007, , 80-100.	1.0	9
40	PoliPer. , 2004, , .		8
41	Asynchronous Complete Distributed Garbage Collection. , 0, , .		8
42	On-Demand Resource Allocation Middleware for Massively Multiplayer Online Games. , 2014, , .		8
43	edgeTransÂ- Edge transport mode detection. Pervasive and Mobile Computing, 2020, 69, 101268.	2.1	8
44	VM Economics for Java Cloud Computing: An Adaptive and Resource-Aware Java Runtime with Quality-of-Execution. , 2012, , .		7
45	CHIEF: Controller Farm for Clouds of Software-Defined Community Networks. , 2016, , .		7
46	Towards an internet-scale overlay network for latency-aware decentralized workflows at the edge. Computer Networks, 2022, 203, 108654.	3.2	7
47	Transaction policies for mobile networks. , 2004, , .		6
48	Incentive mechanisms in peer-to-peer networks. , 2010, , .		6
49	Bandwidth-Aware Service Placement in Community Network Micro-Clouds. , 2016, , .		6
50	Towards Network-Aware Service Placement in Community Network Micro-Clouds. Lecture Notes in Computer Science, 2016, , 376-388.	1.0	6
51	SPADE. , 2008, , .		6
52	A 2 -VMÂ: A Cooperative Java VM with Support for Resource-Awareness and Cluster-Wide Thread Scheduling. Lecture Notes in Computer Science, 2011, , 302-320.	1.0	6
53	Incremental dataflow execution, resource efficiency and probabilistic guarantees with Fuzzy Boolean nets. Journal of Parallel and Distributed Computing, 2015, 79-80, 52-66.	2.7	5
54	An Expressive Simulator for Dynamic Network Flows. , 2015, , .		5

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55	TROBADOR: Service Discovery for Distributed Community Network Micro-Clouds. , 2015, , .		5
56	Performance evaluation of a distributed storage service in community network clouds. Concurrency Computation Practice and Experience, 2016, 28, 3131-3148.	1.4	5
57	Building Blocks of Mayan: Componentizing the eScience Workflows through Software-Defined Service Composition. , 2016, , .		5
58	SENDIM for Incremental Development of Cloud Networks: Simulation, Emulation and Deployment Integration Middleware. , 2016, , .		5
59	browsercloud.js. , 2018, , .		5
60	Composing network service chains at the edge: A Resilient and adaptive softwareâ€defined approach. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3489.	2.6	5
61	VeilGraph: incremental graph stream processing. Journal of Big Data, 2022, 9, .	6.9	5
62	FluÏ‡: a quality-driven dataflow model for data intensive computing. Journal of Internet Services and Applications, 2013, 4, 12.	1.6	4
63	A decentralized utility-based grid scheduling algorithm. , 2013, , .		4
64	Adaptive Execution of Continuous and Data-intensive Workflows with Machine Learning. , 2018, , .		4
65	Loosely-coupled, mobile replication of objects with transactions. , 0, , .		3
66	Semantic-Chunks a middleware for ubiquitous cooperative work. , 2005, , .		3
67	VMR. , 2012, , .		3
68	A classification of middleware to support virtual machines adaptability in IaaS. , 2012, , .		3
69	Adaptive consistency for replicated state in real-time-strategy multiplayer games. , 2012, , .		3
70	Jano: location-privacy enforcement in mobile and pervasive environments through declarative policies. Journal of Internet Services and Applications, 2012, 3, 291-310.	1.6	3
71	A Comparative Look at Adaptive Memory Management in Virtual Machines. , 2013, , .		3
72	Envisioning cloud of energy. , 2015, , .		3

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73	ViTeNA: An SDN-based virtual network embedding algorithm for multi-tenant data centers. , 2016, , .		3
74	Software-Defined Simulations for Continuous Development of Cloud and Data Center Networks. Lecture Notes in Computer Science, 2016, , 3-23.	1.0	3
75	SDN middlebox architecture for resilient transfers. , 2017, , .		3
76	GC-Wise: A Self-adaptive approach for memory-performance efficiency in Java VMs. Future Generation Computer Systems, 2019, 100, 674-688.	4.9	3
77	Oversubscribing micro-clouds with energy-aware containers scheduling. , 2019, , .		3
78	Enhancing Online Communities with Cycle-Sharing for Social Networks. , 2012, , 161-195.		3
79	A Taxonomy of Adaptive Resource Management Mechanisms in Virtual Machines: Recent Progress and Challenges. Computer Communications and Networks, 2017, , 59-98.	0.8	3
80	BOINC-MR: MapReduce in a Volunteer Environment. Lecture Notes in Computer Science, 2012, , 425-432.	1.0	3
81	Ditto â€" Deterministic Execution Replayability-as-a-Service for Java VM on Multiprocessors. Lecture Notes in Computer Science, 2013, , 405-424.	1.0	3
82	Gridlet Economics: Resource Management Models and Policies for Cycle-Sharing Systems. Lecture Notes in Computer Science, 2011, , 72-83.	1.0	3
83	$$partial upartial u$$ Multi-Tenanted Framework: Distributed Near Duplicate Detection for Big Data. Lecture Notes in Computer Science, 2015, , 237-256.	1.0	3
84	Empowering Stream Processing through Edge Clouds. SIGMOD Record, 2017, 46, 23-28.	0.7	3
85	Complete distributed garbage collection: an experience with Rotor. IET Software, 2003, 150, 283.	1.0	2
86	vfcBOX. , 2011, , .		2
87	Resource-Aware Scaling of Multi-threaded Java Applications in Multi-tenancy Scenarios. , 2013, , .		2
88	A progress and profile-driven cloud-VM for resource-efficiency and fairness in e-science environments. , 2013, , .		2
89	Economic crisis and the image of Portugal as a tourist destination: the hospitality perspective. Worldwide Hospitality and Tourism Themes, 2014, 6, 475-479.	0.8	2
90	A FIRM approach for software-defined service composition. , 2016, , .		2

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91	Moving Bits with a Fleet of Shared Virtual Routers. , 2018, , .		2
92	Rubah. ACM SIGPLAN Notices, 2014, 49, 103-119.	0.2	2
93	RFID and NFC in the Future of Mobile Computing. , 0, , 719-737.		2
94	Context Awareness: An Experiment with Hoarding. Lecture Notes in Computer Science, 2006, , 971-980.	1.0	2
95	Transparent Adaptation of e-Science Applications for Parallel and Cycle-Sharing Infrastructures. Lecture Notes in Computer Science, 2011, , 292-300.	1.0	2
96	Distributed object invocation in OBIWAN. , 2000, , .		1
97	Object-Swapping for Resource-Constrained Devices. , 2007, , .		1
98	Complete distributed garbage collection using DGC-consistent cuts and .NET AOP-support. IET Software, 2007, 1, 263.	1.5	1
99	Data-aware connectivity in mobile replicated systems. , 2009, , .		1
100	CRM-OO-VM. , 2010, , .		1
101	Interest Aware Consistency for Cooperative Editing in Heterogeneous Environments. International Journal of Cooperative Information Systems, 2014, 23, 1440002.	0.6	1
102	Task based load balancing for cloud aware massively Multiplayer Online Games. , 2016, , .		1
103	ARTA: An economic middleware to exchange pervasive energy and computing resources. , 2016, , .		1
104	Community sharing of spare network capacity. , 2017, , .		1
105	Software-defined data services: Interoperable and network-aware big data executions. , 2018, , .		1
106	On-Demand Service-Based Big Data Integration: Optimized for Research Collaboration. Lecture Notes in Computer Science, 2017, , 9-28.	1.0	1
107	Trans-Social Networks for Distributed Processing. Lecture Notes in Computer Science, 2012, , 82-96.	1.0	1
108	Jano. , 2010, , .		1

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109	Semantic and Locality Aware Consistency for Mobile Cooperative Editing. Lecture Notes in Computer Science, 2012, , 380-397.	1.0	1
110	Locality-Aware GC Optimisations for Big Data Workloads. Lecture Notes in Computer Science, 2017, , 50-67.	1.0	1
111	Palpatine: Mining Frequent Sequences for Data Prefetching in NoSQL Distributed Key-Value Stores. , 2020, , .		1
112	OSMOSIS - Semantic Work-Spaces for Smart Environments. , 2007, , .		0
113	GridP2P: Resource usage in Grids and Peer-to-Peer systems. , 2010, , .		0
114	An extensible framework for middleware design based on concurrent event-based AOP. , 2010, , .		0
115	(O3)2. , 2010, , .		0
116	The path to openness: letter from the editors. Journal of Internet Services and Applications, 2012, 3, 243-244.	1.6	0
117	A virtual stone soup: letter from the editors. Journal of Internet Services and Applications, 2012, 3, 141-142.	1.6	0
118	Adaptive semantics-aware management for web caches and wikis. , 2013, , .		0
119	Asynchronous Complete Garbage Collection for Graph Data Stores. , 2015, , .		0
120	Message from the CSE 2015 Program Chairs. , 2015, , .		0
121	<i>C</i>³<i>P</i>: A Re-Configurable Framework to Design<i>Cycle-sharing Computing Cloud Platforms</i>. Computer Journal, 2015, 58, 3217-3241.	1.5	0
122	SmartGC: Online Memory Management Prediction for PaaS Cloud Models. Lecture Notes in Computer Science, 2017, , 370-388.	1.0	0
123	Design trade-offs of crowdsourced web access in community networks. , 2017, , .		0
124	EcoVMbroker. , 2018, , .		0
125	Interoperable and networkâ€aware service workflows for big data executions at internet scale. Concurrency Computation Practice and Experience, 2020, 32, e5212.	1.4	0
126	Latency-Sensitive Web Service Workflows: A Case for a Software-Defined Internet. , 2020, , .		0

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127	Smart Distributed DataSets for Stream Processing. Lecture Notes in Computer Science, 2021, , 249-265.	1.0	0
128	Pulsarcast: Scalable, Reliable Pub-Sub over P2P Nets. , 2021, , .		0
129	Transparent Mobile Middleware Integration for Java and .NET Development Environments. Lecture Notes in Computer Science, 2008, , 47-57.	1.0	0
130	Peer4Peer: e-Science Community for Network Overlay and Grid Computing Research. Computer Communications and Networks, 2011, , 81-113.	0.8	0
131	Adaptive Consistency and Awareness Support for Distributed Software Development. Lecture Notes in Computer Science, 2013, , 259-266.	1.0	0
132	Planning and Scheduling Data Processing Workflows in the Cloud with Quality-of-Data Constraints. Lecture Notes in Computer Science, 2014, , 324-338.	1.0	0
133	A2Cloud. Advances in Wireless Technologies and Telecommunication Book Series, 2014, , 231-261.	0.3	0
134	Selective Redundancy in Network-as-a-Service: Differentiated QoS in Multi-tenant Clouds. Lecture Notes in Computer Science, 2017, , 87-97.	1.0	0
135	FairCloud: Truthful Cloud Scheduling with Continuous and Combinatorial Auctions. Lecture Notes in Computer Science, 2017, , 68-85.	1.0	0
136	Cloud-Supported Certification for Energy-Efficient Web Browsing and Services. Computer Communications and Networks, 2017, , 345-378.	0.8	0
137	RATEE - Resource Auction Trading at Edge Environments. , 2021, , .		0