Riccardo Lancellotti

List of Publications by Year
in descending order

80	649	840119 11	794141 19
papers	citations	h-index	g-index

83	83	83	610
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptive Computing-Plus-Communication Optimization Framework for Multimedia Processing in Cloud Systems. IEEE Transactions on Cloud Computing, 2020, 8, 1162-1175.	3.1	64
2	GASP: Genetic Algorithms for Service Placement in Fog Computing Systems. Algorithms, 2019, 12, 201.	1.2	47
3	Distributed load balancing for heterogeneous fog computing infrastructures in smart cities. Pervasive and Mobile Computing, 2020, 67, 101221.	2.1	40
4	Joint Minimization of the Energy Costs From Computing, Data Transmission, and Migrations in Cloud Data Centers. IEEE Transactions on Green Communications and Networking, 2018, 2, 580-595.	3.5	36
5	Improving Scalability of Cloud Monitoring Through PCA-Based Clustering of Virtual Machines. Journal of Computer Science and Technology, 2014, 29, 38-52.	0.9	26
6	Performance Evolution of Mobile Web-Based Services. IEEE Internet Computing, 2009, 13, 60-68.	3.2	24
7	An Approach to Balance Maintenance Costs and Electricity Consumption in Cloud Data Centers. IEEE Transactions on Sustainable Computing, 2018, 3, 274-288.	2.2	24
8	A Fog Computing Service Placement for Smart Cities based on Genetic Algorithms. , 2019, , .		17
9	Automatic virtual machine clustering based on bhattacharyya distance for multi-cloud systems. , 2013, , .		16
10	Exploiting Classes of Virtual Machines for Scalable IaaS Cloud Management. , 2015, , .		16
11	Exploiting ensemble techniques for automatic virtual machine clustering in cloud systems. Automated Software Engineering, 2014, 21, 319-344.	2.2	15
12	Content Adaptation Architectures Based on Squid Proxy Server. World Wide Web, 2006, 9, 63-92.	2.7	14
13	A quantitative methodology based on component analysis to identify key users in social networks. International Journal of Social Network Mining, 2012, 1, 27.	0.2	14
14	An Energy-aware Scheduling Algorithm in DVFS-enabled Networked Data Centers. , 2016, , .		14
15	Randomized Load Balancing under Loosely Correlated State Information in Fog Computing. , 2020, , .		14
16	A Random Walk based Load Balancing Algorithm for Fog Computing. , 2020, , .		13
17	Characteristics and evolution of content popularity and user relations in social networks. , 2010, , .		12
18	Scalable and automatic virtual machines placement based on behavioral similarities. Computing (Vienna/New York), 2017, 99, 575-595.	3.2	12

#	Article	IF	Citations
19	A Hierarchical Receding Horizon Algorithm for QoS-Driven Control of Multi-IaaS Applications. IEEE Transactions on Cloud Computing, 2021, 9, 418-434.	3.1	12
20	Automated Clustering of Virtual Machines based on Correlation of Resource Usage. Journal of Communications Software and Systems, 2017, 8, 102.	0.6	12
21	Minimizing computing-plus-communication energy consumptions in virtualized networked data centers. , 2016, , .		11
22	An adaptive technique to model virtual machine behavior for scalable cloud monitoring. , 2014, , .		10
23	A Receding Horizon Approach for the Runtime Management of IaaS Cloud Systems. , 2014, , .		10
24	Analysis of peer-to-peer systems: workload characterization and effects on traffic cacheability. , 0, , .		9
25	A distributed architecture of edge proxy servers for cooperative transcoding. , 0, , .		8
26	A Two-Level Distributed Architecture for Efficient Web Content Adaptation and Delivery. , 0, , .		7
27	A flexible and robust lookup algorithm for P2P systems. , 2009, , .		7
28	A quantitative methodology to identify relevant users in social networks. , 2010, , .		7
29	Algorithms for Web service selection with static and dynamic requirements. Service Oriented Computing and Applications, 2013, 7, 43-57.	1.3	7
30	Detecting similarities in virtual machine behavior for cloud monitoring using smoothed histograms. Journal of Parallel and Distributed Computing, 2014, 74, 2757-2769.	2.7	7
31	Distributed Architectures for Web Content Adaptation and Delivery. , 2005, , 285-304.		7
32	A distributed architecture to support infomobility services. , 2006, , .		6
33	PAFFI: Performance Analysis Framework for Fog Infrastructures in realistic scenarios. , 2019, , .		6
34	Content Delivery and Management. Lecture Notes in Electrical Engineering, 2008, , 105-126.	0.3	6
35	A Computation- and Network-Aware Energy Optimization Model for Virtual Machines Allocation. , 2017, , .		6
36	Architectures for scalable and flexible Web personalization services. , 0, , .		5

#	Article	IF	Citations
37	Performance Comparison of Distributed Architectures for Content Adaptation and Delivery of Web Resources. , 0, , .		5
38	A comparison of techniques to detect similarities in cloud virtual machines. International Journal of Grid and Utility Computing, 2016, 7, 152.	0.1	5
39	A Deep-learning-based approach to VM behavior Identification in Cloud Systems. , 2019, , .		5
40	Fine grain performance evaluation of e-commerce sites. Performance Evaluation Review, 2004, 32, 14-23.	0.4	5
41	Resource Management Strategies for Mobile Web-Based Services. , 2008, , .		4
42	Dynamic Request Management Algorithms for Web-Based Services in Cloud Computing. , 2011, , .		4
43	Cooperative Architectures and Algorithms for Discovery and Transcoding of Multi-Version Content. , 2004, , 205-221.		4
44	Identifying Communication Patterns between Virtual Machines in Software-Defined Data Centers. Performance Evaluation Review, 2017, 44, 49-56.	0.4	4
45	Distribution of Adaptation Services for Ubiquitous Web AccesDriven by User Profiles. , 2006, , .		3
46	Impact of Social Networking Services on the Performance and Scalability of Web Server Infrastructures. , 2008, , .		3
47	Hot Set Identification for Social Network Applications. , 2009, , .		3
48	Balancing Accuracy and Execution Time for Similar Virtual Machines Identification in IaaS Cloud. , 2014, , .		3
49	Designing a Private CDN with an Off-Sourced Network Infrastructure: Model and Case Study. , 2018, , .		3
50	A Scalable Architecture for Cooperative Web Caching. Lecture Notes in Computer Science, 2002, , 29-41.	1.0	3
51	Peer-to-Peer Workload Characterization: Techniques and Open Issues. , 0, , .		2
52	A Two-level distributed architecture for the support of content adaptation and delivery services. Cluster Computing, 2010, 13, 1-17.	3.5	2
53	Adaptive Algorithms for Efficient Content Management in Social Network Services. , 2010, , .		2
54	Assessing the overhead and scalability of system monitors for large data centers. , 2011, , .		2

#	Article	IF	Citations
55	A measurement-based analysis of temperature variations introduced by power management on Commodity HardWare. , 2017, , .		2
56	AGATE: Adaptive Gray Area-Based TEchnique to Cluster Virtual Machines with Similar Behavior. IEEE Transactions on Cloud Computing, 2019, 7, 650-663.	3.1	2
57	Parameter Tuning for Scalable Multi-Resource Server Consolidation in Cloud Systems. Journal of Communications Software and Systems, 2017, 11, 172.	0.6	2
58	Distributed cooperation schemes for document lookup in multiple cache servers. , 0, , .		1
59	Hybrid cooperative schemes for scalable and stable performance of Web content delivery. Computer Networks, 2005, 49, 492-511.	3.2	1
60	Impact of Memory Technology Trends on Performance of Web Systems. , 0, , .		1
61	Distributed Architectures for High Performance and Privacy-Aware Content Generation and Delivery. , 2006, , .		1
62	Web System Reliability and Performance. , 2006, , 181-218.		1
63	A Distributed Infrastructure Supporting Personalized Services for the Mobile Web. , 2007, , .		1
64	Resource Management Strategies for the Mobile Web. Mobile Networks and Applications, 2010, 15, 237-252.	2.2	1
65	Automatic parameter tuning for Class-Based Virtual Machine Placement in cloud infrastructures. , 2015, , .		1
66	Special Issue on Algorithms for the Resource Management of Large Scale Infrastructures. Algorithms, 2018, 11, 200.	1.2	1
67	A Variable Neighborhood Heuristic for Facility Locations in Fog Computing. Lecture Notes in Computer Science, 2021, , 28-42.	1.0	1
68	A Correlation-based Methodology to Infer Communication Patterns between Cloud Virtual Machines. , 2017, , .		1
69	Distributed Systems to Support Efficient Adaptation for Ubiquitous Web. Lecture Notes in Computer Science, 2005, , 1070-1076.	1.0	1
70	A Location-allocation Model for Fog Computing Infrastructures. , 2020, , .		1
71	Collaboration Strategies for Fog Computing under Heterogeneous Network-bound Scenarios. , 2020, , .		1
72	Characteristics and evolution of content popularity and user relations in social networks. , 2010, , .		1

#	Article	IF	Citations
73	Impact of request dispatching granularity in geographically distributed Web systems. , 2007, , .		0
74	An Optimization Model to Reduce Energy Consumption in Software-Defined Data Centers. Communications in Computer and Information Science, 2018, , 137-156.	0.4	0
75	Designing Mobile User Interfaces for Internet Services. , 2010, , 49-72.		0
76	A Scalable Monitor for Large Systems. Communications in Computer and Information Science, 2015, , 100-116.	0.4	0
77	On Private CDNs with Off-Sourced Network Infrastructures: a Model and a Case Study. Journal of Communications Software and Systems, 2018, 14, .	0.6	0
78	Data Flows Mapping in Fog Computing Infrastructures Using Evolutionary Inspired Heuristic. Communications in Computer and Information Science, 2020, , 177-198.	0.4	0
79	On the impact of stale information on distributed online load balancing protocols for edge computing. Computer Networks, 2022, , 108935.	3.2	0
80	Impact of theoretical performance models on the design of fog computing infrastructures. , 2021, , .		0