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	On the impact of stale information on distributed online load balancing protocols for edge computing. Computer Networks, 2022, , 108935.	3.2	0
2	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
3	A Variable Neighborhood Heuristic for Facility Locations in Fog Computing. Lecture Notes in Computer Science, 2021, , 28-42.	1.0	1
4	Impact of theoretical performance models on the design of fog computing infrastructures. , 2021, , .		0
5	Adaptive Computing-Plus-Communication Optimization Framework for Multimedia Processing in Cloud Systems. IEEE Transactions on Cloud Computing, 2020, 8, 1162-1175.	3.1	64
6	Distributed load balancing for heterogeneous fog computing infrastructures in smart cities. Pervasive and Mobile Computing, 2020, 67, 101221.	2.1	40
7	A Random Walk based Load Balancing Algorithm for Fog Computing. , 2020, , .		13
8	Data Flows Mapping in Fog Computing Infrastructures Using Evolutionary Inspired Heuristic. Communications in Computer and Information Science, 2020, , 177-198.	0.4	0
9	A Location-allocation Model for Fog Computing Infrastructures. , 2020, , .		1
10	Randomized Load Balancing under Loosely Correlated State Information in Fog Computing. , 2020, , .		14
11	Collaboration Strategies for Fog Computing under Heterogeneous Network-bound Scenarios. , 2020, , .		1
12	GASP: Genetic Algorithms for Service Placement in Fog Computing Systems. Algorithms, 2019, 12, 201.	1.2	47
13	PAFFI: Performance Analysis Framework for Fog Infrastructures in realistic scenarios. , 2019, , .		6
14	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
15	A Fog Computing Service Placement for Smart Cities based on Genetic Algorithms. , 2019, , .		17
16	A Deep-learning-based approach to VM behavior Identification in Cloud Systems. , 2019, , .		5
17	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
18	Designing a Private CDN with an Off-Sourced Network Infrastructure: Model and Case Study. , 2018, , .		3

#	Article	IF	Citations
19	Special Issue on Algorithms for the Resource Management of Large Scale Infrastructures. Algorithms, 2018, 11, 200.	1.2	1
20	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
21	An Optimization Model to Reduce Energy Consumption in Software-Defined Data Centers. Communications in Computer and Information Science, 2018, , 137-156.	0.4	0
22	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
23	Scalable and automatic virtual machines placement based on behavioral similarities. Computing (Vienna/New York), 2017, 99, 575-595.	3.2	12
24	A measurement-based analysis of temperature variations introduced by power management on Commodity HardWare. , 2017, , .		2
25	Identifying Communication Patterns between Virtual Machines in Software-Defined Data Centers. Performance Evaluation Review, 2017, 44, 49-56.	0.4	4
26	Automated Clustering of Virtual Machines based on Correlation of Resource Usage. Journal of Communications Software and Systems, 2017, 8, 102.	0.6	12
27	A Correlation-based Methodology to Infer Communication Patterns between Cloud Virtual Machines. , 2017, , .		1
28	A Computation- and Network-Aware Energy Optimization Model for Virtual Machines Allocation. , 2017, , .		6
29	Parameter Tuning for Scalable Multi-Resource Server Consolidation in Cloud Systems. Journal of Communications Software and Systems, 2017, 11, 172.	0.6	2
30	A comparison of techniques to detect similarities in cloud virtual machines. International Journal of Grid and Utility Computing, 2016, 7, 152.	0.1	5
31	Minimizing computing-plus-communication energy consumptions in virtualized networked data centers. , 2016, , .		11
32	An Energy-aware Scheduling Algorithm in DVFS-enabled Networked Data Centers. , 2016, , .		14
33	Exploiting Classes of Virtual Machines for Scalable IaaS Cloud Management. , 2015, , .		16
34	Automatic parameter tuning for Class-Based Virtual Machine Placement in cloud infrastructures. , 2015, , .		1
35	A Scalable Monitor for Large Systems. Communications in Computer and Information Science, 2015, , 100-116.	0.4	0
36	An adaptive technique to model virtual machine behavior for scalable cloud monitoring. , 2014, , .		10

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37	A Receding Horizon Approach for the Runtime Management of IaaS Cloud Systems. , 2014, , .		10
38	Balancing Accuracy and Execution Time for Similar Virtual Machines Identification in IaaS Cloud. , 2014, , .		3
39	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
40	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
41	Exploiting ensemble techniques for automatic virtual machine clustering in cloud systems. Automated Software Engineering, 2014, 21, 319-344.	2.2	15
42	Algorithms for Web service selection with static and dynamic requirements. Service Oriented Computing and Applications, 2013, 7, 43-57.	1.3	7
43	Automatic virtual machine clustering based on bhattacharyya distance for multi-cloud systems. , 2013, , .		16
44	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
45	Dynamic Request Management Algorithms for Web-Based Services in Cloud Computing. , 2011, , .		4
46	Assessing the overhead and scalability of system monitors for large data centers. , 2011, , .		2
47	A Two-level distributed architecture for the support of content adaptation and delivery services. Cluster Computing, 2010, 13, 1-17.	3.5	2
48	Resource Management Strategies for the Mobile Web. Mobile Networks and Applications, 2010, 15, 237-252.	2.2	1
49	Characteristics and evolution of content popularity and user relations in social networks. , 2010, , .		12
50	Adaptive Algorithms for Efficient Content Management in Social Network Services. , 2010, , .		2
51	A quantitative methodology to identify relevant users in social networks. , 2010, , .		7
52	Designing Mobile User Interfaces for Internet Services. , 2010, , 49-72.		0
53	Characteristics and evolution of content popularity and user relations in social networks. , 2010, , .		1
54	A flexible and robust lookup algorithm for P2P systems. , 2009, , .		7

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55	Performance Evolution of Mobile Web-Based Services. IEEE Internet Computing, 2009, 13, 60-68.	3.2	24
56	Hot Set Identification for Social Network Applications. , 2009, , .		3
57	Impact of Social Networking Services on the Performance and Scalability of Web Server Infrastructures. , 2008, , .		3
58	Resource Management Strategies for Mobile Web-Based Services. , 2008, , .		4
59	Content Delivery and Management. Lecture Notes in Electrical Engineering, 2008, , 105-126.	0.3	6
60	Impact of request dispatching granularity in geographically distributed Web systems. , 2007, , .		0
61	A Distributed Infrastructure Supporting Personalized Services for the Mobile Web. , 2007, , .		1
62	Distribution of Adaptation Services for Ubiquitous Web AccesDriven by User Profiles. , 2006, , .		3
63	Distributed Architectures for High Performance and Privacy-Aware Content Generation and Delivery. , 2006, , .		1
64	Content Adaptation Architectures Based on Squid Proxy Server. World Wide Web, 2006, 9, 63-92.	2.7	14
65	A distributed architecture to support infomobility services. , 2006, , .		6
66	Web System Reliability and Performance. , 2006, , 181-218.		1
67	Hybrid cooperative schemes for scalable and stable performance of Web content delivery. Computer Networks, 2005, 49, 492-511.	3.2	1
68	Distributed Architectures for Web Content Adaptation and Delivery. , 2005, , 285-304.		7
69	Distributed Systems to Support Efficient Adaptation for Ubiquitous Web. Lecture Notes in Computer Science, 2005, , 1070-1076.	1.0	1
70	Cooperative Architectures and Algorithms for Discovery and Transcoding of Multi-Version Content. , 2004, , 205-221.		4
71	Fine grain performance evaluation of e-commerce sites. Performance Evaluation Review, 2004, 32, 14-23.	0.4	5
72	A Scalable Architecture for Cooperative Web Caching. Lecture Notes in Computer Science, 2002, , 29-41.	1.0	3

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73	Distributed cooperation schemes for document lookup in multiple cache servers. , 0, , .		1
74	A distributed architecture of edge proxy servers for cooperative transcoding. , 0, , .		8
75	Analysis of peer-to-peer systems: workload characterization and effects on traffic cacheability. , 0, , .		9
76	Peer-to-Peer Workload Characterization: Techniques and Open Issues. , 0, , .		2
77	Architectures for scalable and flexible Web personalization services. , 0, , .		5
78	Impact of Memory Technology Trends on Performance of Web Systems. , 0, , .		1
79	Performance Comparison of Distributed Architectures for Content Adaptation and Delivery of Web Resources. , 0, , .		5
80	A Two-Level Distributed Architecture for Efficient Web Content Adaptation and Delivery. , 0, , .		7