

Antonio Puliafito

List of Publications by Year in descending order

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Version: 2024-02-01

275
papers

5,276
citations

172457

29
h-index

168389

53
g-index

285
all docs

285
docs citations

285
times ranked

4066
citing authors

#	ARTICLE	IF	CITATIONS
1	Blockchain and IoT Integration: A Systematic Survey. <i>Sensors</i> , 2018, 18, 2575.	3.8	515
2	Performance and Reliability Analysis of Computer Systems. , 1996, , .		263
3	How to Enhance Cloud Architectures to Enable Cross-Federation. , 2010, , .		230
4	Fog Computing for the Internet of Things. <i>ACM Transactions on Internet Technology</i> , 2019, 19, 1-41.	4.4	220
5	Analysis of preventive maintenance in transactions based software systems. <i>IEEE Transactions on Computers</i> , 1998, 47, 96-107.	3.4	183
6	Combining Cloud and sensors in a smart city environment. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012, 2012, .	2.4	183
7	An SLA-based Broker for Cloud Infrastructures. <i>Journal of Grid Computing</i> , 2013, 11, 1-25.	3.9	80
8	Adding long-term availability, obfuscation, and encryption to multi-cloud storage systems. <i>Journal of Network and Computer Applications</i> , 2016, 59, 208-218.	9.1	78
9	Workload-Based Software Rejuvenation in Cloud Systems. <i>IEEE Transactions on Computers</i> , 2013, 62, 1072-1085.	3.4	75
10	Container Migration in the Fog: A Performance Evaluation. <i>Sensors</i> , 2019, 19, 1488.	3.8	75
11	Dependability Evaluation with Dynamic Reliability Block Diagrams and Dynamic Fault Trees. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2009, 6, 4-17.	5.4	74
12	Enabling the Cloud of Things. , 2012, , .		72
13	Exploring Container Virtualization in IoT Clouds. , 2016, , .		71
14	Security and Cloud Computing: InterCloud Identity Management Infrastructure. , 2010, , .		70
15	Big Data Storage in the Cloud for Smart Environment Monitoring. <i>Procedia Computer Science</i> , 2015, 52, 500-506.	2.0	69
16	Stack4Things: a sensing-and-actuation-as-a-service framework for IoT and cloud integration. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017, 72, 53-70.	2.5	68
17	Volunteer Computing and Desktop Cloud: The Cloud@Home Paradigm. , 2009, , .		66
18	A utility paradigm for IoT: The sensing Cloud. <i>Pervasive and Mobile Computing</i> , 2015, 20, 127-144.	3.3	66

#	ARTICLE	IF	CITATIONS
19	An IoT service ecosystem for Smart Cities: The #SmartME project. Internet of Things (Netherlands), 2019, 5, 12-33.	7.7	66
20	RECENT DEVELOPMENTS IN NON-MARKOVIAN STOCHASTIC PETRI NETS. Journal of Circuits, Systems and Computers, 1998, 08, 119-158.	1.5	63
21	Mobile crowdsensing as a service: A platform for applications on top of sensing Clouds. Future Generation Computer Systems, 2016, 56, 623-639.	7.5	61
22	Sensing and Actuation as a Service: A New Development for Clouds. , 2012, , .		59
23	Cloud4sens: a cloud-based architecture for sensor controlling and monitoring. , 2015, 53, 41-47.		59
24	AllJoyn Lambda: An architecture for the management of smart environments in IoT. , 2014, , .		55
25	Using mobile agents to implement flexible network management strategies. Computer Communications, 2000, 23, 708-719.	5.1	53
26	Three-Phase Cross-Cloud Federation Model: The Cloud SSO Authentication. , 2010, , .		53
27	MAP: Design and implementation of a mobile agents' platform. Journal of Systems Architecture, 2000, 46, 145-162.	4.3	50
28	A VLSI fuzzy inference processor based on a discrete analog approach. IEEE Transactions on Fuzzy Systems, 1994, 2, 93-106.	9.8	49
29	Characterizing Cloud Federation in IoT. , 2016, , .		49
30	From UML to Petri Nets: The PCM-Based Methodology. IEEE Transactions on Software Engineering, 2011, 37, 65-79.	5.6	47
31	Reliability and availability analysis of dependent dynamic systems with DRBDs. Reliability Engineering and System Safety, 2009, 94, 1381-1393.	8.9	46
32	Optimal software rejuvenation for tolerating soft failures. Performance Evaluation, 1996, 27-28, 491-506.	1.2	43
33	Data Processing in Cyber-Physical-Social Systems Through Edge Computing. IEEE Access, 2018, 6, 29822-29835.	4.2	43
34	A modeling framework to implement preemption policies in non-Markovian SPNs. IEEE Transactions on Software Engineering, 2000, 26, 36-54.	5.6	41
35	Stack4Things: Integrating IoT with OpenStack in a Smart City context. , 2014, , .		41
36	Dynamic Reliability Block Diagrams VS Dynamic Fault Trees. , 2007, , .		40

#	ARTICLE	IF	CITATIONS
37	Mobile agent-based approach for efficient network management and resource allocation: framework and applications. IEEE Journal on Selected Areas in Communications, 2002, 20, 858-872.	14.0	39
38	A deep learning approach for pressure ulcer prevention using wearable computing. Human-centric Computing and Information Sciences, 2020, 10, .	6.1	38
39	Towards energy management in Cloud federation: A survey in the perspective of future sustainable and cost-saving strategies. Computer Networks, 2015, 91, 438-452.	5.1	36
40	Cloud@Home: Bridging the Gap between Volunteer and Cloud Computing. Lecture Notes in Computer Science, 2009, , 423-432.	1.3	35
41	Metropolitan intelligent surveillance systems for urban areas by harnessing IoT and edge computing paradigms. Software - Practice and Experience, 2018, 48, 1475-1492.	3.6	35
42	Virtual machine provisioning through satellite communications in federated Cloud environments. Future Generation Computer Systems, 2012, 28, 85-93.	7.5	34
43	I/Ocloud: Adding an IoT Dimension to Cloud Infrastructures. Computer, 2018, 51, 57-65.	1.1	33
44	Using Google Cloud Vision in assistive technology scenarios. , 2016, , .		31
45	Evaluating wireless sensor node longevity through Markovian techniques. Computer Networks, 2012, 56, 521-532.	5.1	30
46	Stack4Things: An OpenStack-Based Framework for IoT. , 2015, , .		30
47	Cloud@Home: Toward a Volunteer Cloud. IT Professional, 2012, 14, 27-31.	1.5	29
48	Modeling and Evaluation of Energy Policies in Green Clouds. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 3052-3065.	5.6	29
49	The Need of a Hybrid Storage Approach for IoT in PaaS Cloud Federation. , 2014, , .		27
50	An Authentication Model for IoT Clouds. , 2015, , .		27
51	Experimenting with smart contracts for access control and delegation in IoT. Future Generation Computer Systems, 2020, 111, 324-338.	7.5	27
52	CloudWave: Where adaptive cloud management meets DevOps. , 2014, , .		26
53	Stack4Things as a fog computing platform for Smart City applications. , 2016, , .		26
54	Petri nets with k simultaneously enabled generally distributed timed transitions. Performance Evaluation, 1998, 32, 1-34.	1.2	25

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55	Which paradigm should I use? An analytical comparison of the client-server, remote evaluation and mobile agent paradigms. <i>Concurrency Computation Practice and Experience</i> , 2001, 13, 71-94.	2.2	24
56	AIPAC: Automatic IP address configuration in mobile ad hoc networks. <i>Computer Communications</i> , 2006, 29, 1189-1200.	5.1	23
57	A Smart City Lighting Case Study on an OpenStack-Powered Infrastructure. <i>Sensors</i> , 2015, 15, 16314-16335.	3.8	23
58	Smart Cities of the Future as Cyber Physical Systems: Challenges and Enabling Technologies. <i>Sensors</i> , 2021, 21, 3349.	3.8	22
59	Programmable agents for flexible QoS management in IP networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2000, 18, 256-267.	14.0	21
60	A Deep Reinforcement Learning Approach For Data Migration in Multi-Access Edge Computing. , 2018, , .		21
61	DRACO PaaS: A Distributed Resilient Adaptable Cloud Oriented Platform. , 2013, , .		20
62	Device-Centric Sensing: An Alternative to Data-Centric Approaches. <i>IEEE Systems Journal</i> , 2017, 11, 231-241.	4.6	20
63	QoS Management in Cloud@Home Infrastructures. , 2011, , .		19
64	How cloud computing can support on-demand assistive services. , 2013, , .		19
65	Active Monitoring in Grid Environments Using Mobile Agent Technology. <i>Kluwer International Series in Engineering and Computer Science</i> , 2000, , 57-66.	0.2	19
66	A multi-sink swarm-based routing protocol for Wireless Sensor Networks. , 2009, , .		18
67	Improving Virtual Machine Migration in Federated Cloud Environments. , 2010, , .		18
68	How the Dataweb Can Support Cloud Federation: Service Representation and Secure Data Exchange. , 2012, , .		18
69	Analysis and Evaluation of Non-Markovian Stochastic Petri Nets. <i>Lecture Notes in Computer Science</i> , 2000, , 171-187.	1.3	18
70	Advanced Network Management Functionalities through the Use of Mobile Software Agents. <i>Lecture Notes in Computer Science</i> , 1999, , 33-45.	1.3	18
71	An approach to reduce carbon dioxide emissions through virtual machine migrations in a sustainable cloud federation. , 2015, , .		16
72	Pushing Intelligence to the Edge with a Stream Processing Architecture. , 2017, , .		16

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73	An Approach to Enable Cloud Service Providers to Arrange IaaS, PaaS, and SaaS Using External Virtualization Infrastructures. , 2011, , .		15
74	Integration of CLEVER clouds with third party software systems through a REST web service interface. , 2012, , .		15
75	Self Organizing Maps for Distributed Localization in Wireless Sensor Networks. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	14
76	GridVideo: A Practical Example of Nonscientific Application on the Grid. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 666-680.	5.7	14
77	A Remote Attestation Approach for a Secure Virtual Machine Migration in Federated Cloud Environments. , 2011, , .		14
78	An integrated system for advanced water risk management based on cloud computing and IoT. , 2015, , .		14
79	Performance Evaluation of gLite Grids through GSPNs. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1611-1625.	5.6	13
80	A Crowd-Cooperative Approach for Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2016, , 1-11.	8.0	13
81	Using Deep Reinforcement Learning for Application Relocation in Multi-Access Edge Computing. IEEE Communications Standards Magazine, 2019, 3, 71-78.	4.9	13
82	Making the Internet of Things a Reality: The WhereX Solution. , 2010, , 99-108.		13
83	Cloud-based Enabling Mechanisms for Container Deployment and Migration at the Network Edge. ACM Transactions on Internet Technology, 2020, 20, 1-28.	4.4	13
84	Reliability assessment of wireless sensor nodes with non-linear battery discharge. , 2010, , .		12
85	How CLEVER-based clouds conceive horizontal and vertical federations. , 2011, , .		12
86	Using Virtualization and noVNC to Support Assistive Technology in Cloud Computing. , 2014, , .		12
87	Hierarchical load balancing as a service for federated cloud networks. Computer Communications, 2018, 129, 125-137.	5.1	12
88	A Swarm-based Routing Protocol for Wireless Sensor Networks. , 2007, , .		11
89	GS3: a Grid Storage System with Security Features. Journal of Grid Computing, 2010, 8, 391-418.	3.9	11
90	Enabling mechanisms for Cloud-based network virtualization in IoT. , 2015, , .		11

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91	A sustainable energy-aware resource management strategy for IoT Cloud federation. , 2015, , .		11
92	Orchestrated Multi-Cloud Application Deployment in OpenStack with TOSCA. , 2017, , .		11
93	Wearable Devices and IoT as Enablers of Assistive Technologies. , 2017, , .		11
94	Extending Openstack for Cloud-Based Networking at the Edge. , 2018, , .		11
95	Evaluating energy consumption in a Cloud infrastructure. , 2011, , .		10
96	Using Virtualization and Guacamole/VNC to Provide Adaptive User Interfaces to Disabled People in Cloud Computing. , 2013, , .		10
97	Data Reliability in Multi-provider Cloud Storage Service with RRNS. Communications in Computer and Information Science, 2013, , 83-93.	0.5	10
98	Providing Assistive Technology Applications as a Service Through Cloud Computing. Assistive Technology, 2015, 27, 44-51.	2.0	10
99	Hospitalized Patient Monitoring and Early Treatment Using IoT and Cloud. BioNanoScience, 2017, 7, 382-385.	3.5	10
100	Design of a Trustless Smart City system: The #SmartME experiment. Internet of Things (Netherlands), 2020, 10, 100126.	7.7	10
101	Modeling Distributed Computing System Reliability with DRBD. Proceedings of the IEEE Symposium on Reliable Distributed Systems, 2006, , .	0.0	9
102	Achieving Information Security in Network Computing Systems. , 2009, , .		9
103	A hypervisor for infrastructure-enabled sensing Clouds. , 2013, , .		9
104	Information dependability in distributed systems: The dependable distributed storage system. Integrated Computer-Aided Engineering, 2014, 21, 3-18.	4.6	9
105	Identity management in IoT Clouds: A FIWARE case of study. , 2015, , .		9
106	IoT-cloud authorization and delegation mechanisms for ubiquitous sensing and actuation. , 2016, , .		9
107	Building TensorFlow Applications in Smart City Scenarios. , 2017, , .		9
108	Software-Defined City Infrastructure: A Control Plane for Rewireable Smart Cities. , 2019, , .		9

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109	UML Design and Software Performance Modeling. Lecture Notes in Computer Science, 2004, , 564-573.	1.3	9
110	A Stack4Things-based Web of Things Architecture. , 2020, , .		9
111	Design and performance analysis of a disk array system. IEEE Transactions on Computers, 1995, 44, 1236-1247.	3.4	8
112	Design and evaluation of a multimedia storage server for mixed traffic. Multimedia Systems, 1998, 6, 367-381.	4.7	8
113	Analytical Evaluation of Resource Allocation Policies in Green IaaS Clouds. , 2013, , .		8
114	Using embedded systems to spread assistive technology on multiple devices in smart environments. , 2014, , .		8
115	3-D cloud monitoring: Enabling effective cloud infrastructure and application management. , 2014, , .		8
116	An approach to reduce energy costs through virtual machine migrations in cloud federation. , 2015, , .		8
117	Evaluating a cloud federation ecosystem to reduce carbon footprint by moving computational resources. , 2015, , .		8
118	Cloud-Based Network Virtualization: An IoT Use Case. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 199-210.	0.3	8
119	Optimal Selection Techniques for Cloud Service Providers. IEEE Access, 2020, 8, 203591-203618.	4.2	8
120	An Integrated System for Advanced Multi-risk Management Based on Cloud for IoT. Advances in Intelligent Systems and Computing, 2014, , 253-269.	0.6	8
121	Modeling Energy-Aware Cloud Federations with SRNs. Lecture Notes in Computer Science, 2012, , 277-307.	1.3	8
122	Dependability analysis of wireless sensor networks with active-sleep cycles and redundant nodes. , 2010, , .		8
123	Towards the Integration between IoT and Cloud Computing: An Approach for the Secure Self-Configuration of Embedded Devices. International Journal of Distributed Sensor Networks, 2015, 11, 286860.	2.2	8
124	Automating the Deployment of Multi-Cloud Applications in Federated Cloud Environments. , 2017, , .		8
125	Buffer losses vs. deadline violations for ABR traffic in an ATM switch: A computational approach. Telecommunication Systems, 1997, 7, 105-123.	2.5	7
126	Experiencing with the Cloud over gLite. , 2009, , .		7

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127	A Bio-inspired Distributed Routing Protocol for Wireless Sensor Networks: Performance Evaluation. , 2010, , .		7
128	How to Enhance Cloud Architectures to Enable Cross-Federation: Towards Interoperable Storage Providers. , 2015, , .		7
129	Smart Objects, Infrastructures, and Services in the Internet of Things. International Journal of Distributed Sensor Networks, 2016, 12, 8642512.	2.2	7
130	Towards a Global Intelligent Surveillance System. , 2017, , .		7
131	Blockchain-Based Publicly Verifiable Cloud Storage. , 2019, , .		7
132	Data agility through clustered edge computing and stream processing. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	2.2	7
133	Cloud-based Network Virtualization in IoT with OpenStack. ACM Transactions on Internet Technology, 2022, 22, 1-26.	4.4	7
134	Secure Storage as a Service in Multi-Cloud Environment. Lecture Notes in Computer Science, 2017, , 328-341.	1.3	7
135	From volunteer to cloud computing. , 2010, , .		6
136	Dependability evaluation of Wireless Sensor Networks: Redundancy and topological aspects. , 2010, , .		6
137	How to Federate VISION Clouds through SAML/Shibboleth Authentication. Lecture Notes in Computer Science, 2012, , 259-274.	1.3	6
138	Remote and deep attestations to mitigate threats in Cloud Mash-Up services. , 2013, , .		6
139	Towards the Cloud of Things Sensing and Actuation as a Service, a Key Enabler for a New Cloud Paradigm. , 2013, , .		6
140	Smart data centers for green Clouds. , 2013, , .		6
141	Design of an IoT Cloud System for Container Virtualization on Smart Objects. Communications in Computer and Information Science, 2016, , 33-47.	0.5	6
142	Evaluating Information Quality in Delivering IoT-as-a-Service. , 2018, , .		6
143	A big video data transcoding service for social media over federated clouds. Multimedia Tools and Applications, 2020, 79, 9037-9061.	3.9	6
144	Integrating IoT and cloud in a smart city context: the #SmartME case study. International Journal of Computer Applications in Technology, 2018, 57, 267.	0.5	6

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145	A Taxonomic Specification of Cloud@Home. Lecture Notes in Computer Science, 2010, , 527-534.	1.3	6
146	Performance analysis of distributed real-time databases. Performance Evaluation, 1999, 35, 145-169.	1.2	5
147	QoS management in programmable networks through mobile agents. Microprocessors and Microsystems, 2001, 25, 111-120.	2.8	5
148	Energy Management in Industrial Plants. Computers, 2012, 1, 24-40.	3.3	5
149	An Architecture for Runtime Customization of Smart Devices. , 2013, , .		5
150	Analytical Modeling of Reactive Autonomic Management Techniques in IaaS Clouds. , 2015, , .		5
151	A Cloud-based System to Protect Against Industrial Multi-risk Events. Procedia CIRP, 2016, 41, 650-654.	1.9	5
152	Improving desktop as a Service in OpenStack. , 2016, , .		5
153	Evaluating alternative DaaS solutions in private and public OpenStack Clouds. Software - Practice and Experience, 2017, 47, 1185-1200.	3.6	5
154	Personalized Health Tracking with Edge Computing Technologies. BioNanoScience, 2017, 7, 439-441.	3.5	5
155	Application of MVDR and MUSIC spectrum sensing techniques with implementation of node's prototype for cognitive radio AD hoc networks. , 2017, , .		5
156	The ESSB system: A novel solution to improve comfort and sustainability in smart office environments. , 2017, , .		5
157	Enabling Sustainable Smart Environments Using Fog Computing. , 2018, , .		5
158	An approach to implement the "Smart Office" idea: the #SmartMe Energy system. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 1-19.	4.9	5
159	Guest Editors'™ Introduction to the Special Issue on Fog, Edge, and Cloud Integration for Smart Environments. ACM Transactions on Internet Technology, 2019, 19, 1-4.	4.4	5
160	Video representation and suspicious event detection using semantic technologies. Semantic Web, 2021, 12, 467-491.	1.9	5
161	Verifiable and auditable authorizations for smart industries and industrial Internet-of-Things. Journal of Information Security and Applications, 2021, 59, 102848.	2.5	5
162	Mobile Middleware. , 2006, , 145-166.		5

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163	Cloud@Home: A New Enhanced Computing Paradigm. , 2010, , 575-594.		5
164	Dependability Modeling and Analysis in Dynamic Systems. , 2007, , .		4
165	Advantages in synchronization for wireless sensor networks. , 2008, , .		4
166	Virtual business networks with Cloud Computing and virtual machines. , 2009, , .		4
167	VisualGrid: enabling runtime applications monitoring in grid environments. International Journal of Communication Networks and Distributed Systems, 2010, 5, 308.	0.4	4
168	A naming system applied to a RESERVOIR cloud. , 2010, , .		4
169	WebSPN: A Flexible Tool for the Analysis of Non-Markovian Stochastic Petri Nets. Springer Series in Reliability Engineering, 2016, , 255-285.	0.5	4
170	Security and IoT Cloud Federation: Design of Authentication Schemes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 337-346.	0.3	4
171	Extending Bluetooth Low Energy PANs to Smart City Scenarios. , 2017, , .		4
172	Building a Smart City Service Platform in Messina with the #SmartME Project. , 2018, , .		4
173	Enabling Container-Based Fog Computing with OpenStack. , 2019, , .		4
174	Smart Healthy Intelligent Room: Headcount through Air Quality Monitoring. , 2020, , .		4
175	Arancino.ccTM: an open hardware platform for urban regeneration. International Journal of Simulation and Process Modelling, 2020, 15, 343.	0.2	4
176	P4UIoT: Pay-Per-Piece Patch Update Delivery for IoT Using Gradual Release. Sensors, 2020, 20, 2156.	3.8	4
177	An Energy-aware Brokering Algorithm to Improve Sustainability in Community Cloud. , 2017, , .		4
178	From Vertical to Horizontal Buildings Through IoT and Software Defined Approaches. , 2021, , .		4
179	A NodeRED-based dashboard to deploy pipelines on top of IoT infrastructure. , 2020, , .		4
180	Porting SHARPE on the Web: Design and implementation of a network computing platform using Java. Lecture Notes in Computer Science, 1997, , 32-43.	1.3	3

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181	Self Organizing Maps for Synchronization in Wireless Sensor Networks. , 2008, , .		3
182	Implementing Data Security in Grid Environment. , 2009, , .		3
183	The Cloud@Home Resource Management System. , 2011, , .		3
184	Performance analysis of job dissemination techniques in Grid systems. Concurrency Computation Practice and Experience, 2011, 23, 1213-1235.	2.2	3
185	Dynamic aspects and behaviors of complex systems in performance and reliability assessment. Performance Evaluation Review, 2012, 39, 71-78.	0.6	3
186	How to exploit grid infrastructures for federated cloud purposes with CLEVER. International Journal of Computational Science and Engineering, 2013, 8, 253.	0.5	3
187	A Secure Self-Identification Mechanism for Enabling IoT Devices to Join Cloud Computing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 306-311.	0.3	3
188	KAOS: A Kinetic Theory Tool for Modeling Complex Social Systems. MATEC Web of Conferences, 2016, 68, 16004.	0.2	3
189	Crowdsourcing and Stigmergic Approaches forÂ(Swarm) Intelligent Transportation Systems. Lecture Notes in Computer Science, 2018, , 616-626.	1.3	3
190	Reducing Complexity of 3D Indoor Object Detection. , 2018, , .		3
191	Towards trustless prediction-as-a-service. , 2019, , .		3
192	Fog-Enabled Industrial WSNs to Monitor Asynchronous Electric Motors. , 2020, , .		3
193	Cloud Federation to Elastically Increase MapReduce Processing Resources. Lecture Notes in Computer Science, 2014, , 97-108.	1.3	3
194	Exploiting SAaaS in Smart City Scenarios. Lecture Notes in Computer Science, 2013, , 638-647.	1.3	3
195	A Message Oriented Middleware for Cloud Computing To Improve Efficiency in Risk Management Systems. Scalable Computing, 2014, 14, .	1.0	3
196	Evaluating a File Fragmentation System for Multi-Provider Cloud Storage. Scalable Computing, 2014, 14, .	1.0	3
197	Software Rejuvenation in the Cloud. , 2012, , .		3
198	SCiNaS: A Smart City-Driven Navigation System to Catch Green Waves. , 0, , .		3

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199	On the Assessment of the S-Sicilia Infrastructure: A Grid-Based Business System. Lecture Notes in Computer Science, 2008, , 113-124.	1.3	3
200	Cloud@Home on Top of RESERVOIR. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 41-56.	0.3	3
201	An Implementation of InfluxDB for Monitoring and Analytics in Distributed IoT Environments. Smart Innovation, Systems and Technologies, 2020, , 155-162.	0.6	3
202	IoT/Cloud-Powered Crowdsourced Mobility Services For Green Smart Cities. , 2021, , .		3
203	Using the Grid paradigm for multimedia applications. Concurrency Computation Practice and Experience, 2006, 18, 899-910.	2.2	2
204	A GSPN Model to Analyze Performance Parameters in gLite Grids. , 2008, , .		2
205	CliteVM: How Science and Business May Benefit from Virtualization. , 2009, , .		2
206	Design and Implementation of an XML-Based Grid File Storage System with Security Features. , 2009, , .		2
207	DESIGN AND MODELING IN THE SOFTWARE PERFORMANCE ENGINEERING DEVELOPMENT PROCESS. Journal of Circuits, Systems and Computers, 2010, 19, 307-323.	1.5	2
208	An XRI naming system for dynamic and federated clouds: a performance analysis. Journal of Internet Services and Applications, 2011, 2, 191-205.	2.1	2
209	Comparison of efficient random walk strategies for wireless multi-hop networks. Computer Communications, 2011, 34, 1258-1267.	5.1	2
210	Editorial: Special issue on Internet of Things: convergence of sensing, networking, and web technologies. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	2
211	Abstraction of On-Board Resources in Mobiles: SAaaS4Mobile, a First Step towards a Sensing Cloud. , 2013, , .		2
212	Costs of a federated and hybrid cloud environment aimed at MapReduce video transcoding. , 2015, , .		2
213	An SRN-Based Resiliency Quantification Approach. Lecture Notes in Computer Science, 2015, , 98-116.	1.3	2
214	A Stack4Things-based platform for mobile crowdsensing services. , 2016, , .		2
215	SVM-MUSIC Algorithm for Spectrum Sensing in Cognitive Radio Ad-Hoc Networks. Lecture Notes in Computer Science, 2017, , 161-170.	1.3	2
216	Head in a Cloud: An approach for Arduino YUN virtualization. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
217	Toward a Trustless Smart City: the #SmartME Experience. , 2019, , .		2
218	Blockchain Based Variability Management Solutions for Fog Native Open Source Software. , 2019, , .		2
219	DLoCC: An approach for Distributed Incremental Learning across the Computing Continuum. , 2021, , .		2
220	Mobiles for Sensing Clouds: the SAaaS4Mobile Experience. Scalable Computing, 2014, 14, .	1.0	2
221	Deviceless: A Serverless Approach for the Internet of Things. , 2021, , .		2
222	Using the Median Distance to Compare Object Shapes in Content-Based Image Retrieval. Multimedia Tools and Applications, 1999, 8, 197-217.	3.9	1
223	Efficient CAC in Broadband Wireless Access Networks based on Hierarchical Structures. , 2007, , .		1
224	Design of a cloud naming framework. , 2010, , .		1
225	Ecosystem of Cloud Naming Systems: An Approach for the Management and Integration of Independent Cloud Name Spaces. , 2010, , .		1
226	Guest Editors' Introduction: Special Section on Cloud Computing Assessment: Metrics, Algorithms, Policies, Models, and Evaluation Techniques. IEEE Transactions on Dependable and Secure Computing, 2013, 10, 196-197.	5.4	1
227	Guest Editors' Introduction: Special Section on Cloud Computing Assessment: Metrics, Algorithms, Policies, Models, and Evaluation Techniques. IEEE Transactions on Dependable and Secure Computing, 2013, 10, 251-252.	5.4	1
228	Software Rejuvenation in Cloud Systems. , 2014, , .		1
229	SensorCloud: An Integrated System for Advanced Multi-risk Management. , 2014, , .		1
230	Automating the Hadoop configuration for easy setup in resilient cloud systems. , 2014, , .		1
231	Resource Management in Cloud Federation Using XMPP. , 2014, , .		1
232	From VISION Cloud to Cloudwave: Towards the Future Internet and a New Generation of Services. , 2014, , .		1
233	Enabling Collaborative Development in an Open Stack Testbed: The Cloud Wave Use Case. , 2015, , .		1
234	Deploying advanced services in the #SmartME infrastructure. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
235	User-Space Network Tunneling Under a Mobile Platform: A Case Study for Android Environments. Lecture Notes in Computer Science, 2017, , 135-143.	1.3	1
236	Re-powering Service Provisioning in Federated Cloud Ecosystems: An Algorithm Combining Energy Sustainability and Cost-Saving Strategies. Communications in Computer and Information Science, 2018, , 19-33.	0.5	1
237	An Approach to Enhancing Confidentiality and Integrity on Mobile Multi-Cloud Systems: The "ARIANNA" Experience. , 2018, , .		1
238	GSM-RF Channel Characterization Using a Wideband Subspace Sensing Mechanism for Cognitive Radio Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	1
239	How Much Enhancing Confidentiality and Integrity on Data Can Affect Mobile Multi-Cloud: The "ARIANNA" Experience. , 2019, , .		1
240	A Mininet-Based Emulated Testbed for the I/Ocloud. , 2019, , .		1
241	Transparent, Provenance-assured, and Secure Software-as-a-Service. , 2019, , .		1
242	An OpenStack-Based Implementation of "Volunteer Cloud". Communications in Computer and Information Science, 2016, , 389-403.	0.5	1
243	Nomadic Users' Support in the MAP Agent Platform. Lecture Notes in Computer Science, 2000, , 233-241.	1.3	1
244	Open and Interoperable Clouds: The Cloud@Home Way. Computer Communications and Networks, 2010, , 93-111.	0.8	1
245	Implementation of the Software Performance Engineering Development Process. Journal of Software, 2010, 5, .	0.6	1
246	Cloud@Home: Performance Management Components. Lecture Notes in Computer Science, 2011, , 579-586.	1.3	1
247	Intercloud: The Future of Cloud Computing. Concepts and Advantages. , 2017, , 167-194.		1
248	An Innovative Open Source Middleware for Managing Virtual Resources in Federated Clouds. , 0, , 61-89.		1
249	Continuous Green2 Waves for Surfin Smart Cities. , 2020, , .		1
250	Embedded systems for supporting computer accessibility. Studies in Health Technology and Informatics, 2015, 217, 378-85.	0.3	1
251	Credential Management Enforcement and Secure Data Storage in gLite. International Journal of Distributed Systems and Technologies, 2010, 1, 76-97.	0.7	0
252	VO-Level Performance Analysis of gLite Grids. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
253	A Cloud-based access control solution for advanced multi-purpose management in Smart City Scenario. , 2014, , .		0
254	A framework for device-centric sensing cloud. International Journal of Cloud Computing, 2015, 4, 150.	0.3	0
255	A Modular Approach to Collaborative Development in an OpenStack Testbed. , 2015, , .		0
256	A Federated System for MapReduce-Based Video Transcoding to Face the Future Massive Video-Selfie Sharing Trend. Communications in Computer and Information Science, 2016, , 48-62.	0.5	0
257	A Context-Aware Strategy to Properly Use IoT-Cloud Services. , 2017, , .		0
258	Building a Digital Business Technology Platform in the Industry 4.0 Era. Smart Innovation, Systems and Technologies, 2019, , 369-375.	0.6	0
259	A Cloud-Based Overlay Networking for the Internet of Things: Quantitative Evaluation. EAI/Springer Innovations in Communication and Computing, 2019, , 237-250.	1.1	0
260	Systems Modelling: Methodologies and Tools. EAI/Springer Innovations in Communication and Computing, 2019, , 1-7.	1.1	0
261	BLE-Enabled On-Site Diagnostics For An IoT/Cloud-Controlled Energy Substation. , 2021, , .		0
262	Topology-Aware Hybrid Random Walk Protocols for Wireless Multihop Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 107-118.	0.3	0
263	CCPI 2010: Workshop on Cloud Computing Projects and Initiatives. Lecture Notes in Computer Science, 2011, , 551-553.	1.3	0
264	Monitoring Energy Consumption in an Industrial Site. Lecture Notes in Electrical Engineering, 2011, , 53-60.	0.4	0
265	Credential Management Enforcement and Secure Data Storage in gLite. , 2012, , 956-978.		0
266	The Cloud@Home Volunteer and Interoperable Cloud through the Future Internet. , 2012, , 79-96.		0
267	The Core Approach of SAaaS in Action: The Planning Agent. Communications in Computer and Information Science, 2013, , 37-46.	0.5	0
268	Sensed Data Sharing in Cloud Federation for Advances in Health Information Exchange. International Journal on Measurement Technologies and Instrumentation Engineering, 2013, 3, 36-50.	0.3	0
269	Quantitative evaluation of Cloud-based network virtualization mechanisms for IoT. , 2017, , .		0
270	Providing Sensor Services by Data Correlation: The #SmartME Approach. Advances in Intelligent Systems and Computing, 2018, , 864-874.	0.6	0

#	ARTICLE	IF	CITATIONS
271	Arancino.ccTM: an open hardware platform for urban regeneration. International Journal of Simulation and Process Modelling, 2020, 15, 343.	0.2	0
272	Appendix: Stochastic Modeling Techniques in Software Aging and Rejuvenation Phenomena. , 2020, , 363-401.		0
273	Credential Management Enforcement and Secure Data Storage in gLite. , 0, , 229-251.		0
274	Design and Implementation of an Event-Based RFID Middleware. , 0, , 110-131.		0
275	Managed ELK deployments at the Edge with OpenStack and IoTronic: an italian Smart City case study. , 2022, , .		0