

Paolo Bellavista

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7656467/publications.pdf>

Version: 2024-02-01

259
papers

5,643
citations

201385

27
h-index

143772

57
g-index

282
all docs

282
docs citations

282
times ranked

4952
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergence of MANET and WSN in IoT Urban Scenarios. IEEE Sensors Journal, 2013, 13, 3558-3567.	2.4	341
2	Mobeyes: smart mobs for urban monitoring with a vehicular sensor network. IEEE Wireless Communications, 2006, 13, 52-57.	6.6	307
3	Efficient Deep CNN-Based Fire Detection and Localization in Video Surveillance Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1419-1434.	5.9	279
4	Fostering participation in smart cities: a geo-social crowdsensing platform. , 2013, 51, 112-119.		258
5	A Software Defined Networking architecture for the Internet-of-Things. , 2014, , .		240
6	A survey of context data distribution for mobile ubiquitous systems. ACM Computing Surveys, 2012, 44, 1-45.	16.1	203
7	Location-Based Services: Back to the Future. IEEE Pervasive Computing, 2008, 7, 85-89.	1.1	194
8	A survey on fog computing for the Internet of Things. Pervasive and Mobile Computing, 2019, 52, 71-99.	2.1	189
9	Dissemination and Harvesting of Urban Data Using Vehicular Sensing Platforms. IEEE Transactions on Vehicular Technology, 2009, 58, 882-901.	3.9	177
10	Context-aware middleware for resource management in the wireless internet. IEEE Transactions on Software Engineering, 2003, 29, 1086-1099.	4.3	146
11	Mobile agent middleware for mobile computing. Computer, 2001, 34, 73-81.	1.2	136
12	A privacy-preserving cryptosystem for IoT E-healthcare. Information Sciences, 2020, 527, 493-510.	4.0	129
13	Feasibility of Fog Computing Deployment based on Docker Containerization over RaspberryPi. , 2017, , .		113
14	The ubiquitous provisioning of internet services to portable devices. IEEE Pervasive Computing, 2002, 1, 81-87.	1.1	63
15	Efficient Security and Authentication for Edge-Based Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 15652-15662.	5.5	63
16	Application-Driven Network-Aware Digital Twin Management in Industrial Edge Environments. IEEE Transactions on Industrial Informatics, 2021, 17, 7791-7801.	7.2	60
17	Mobile social networking middleware: A survey. Pervasive and Mobile Computing, 2013, 9, 437-453.	2.1	56
18	Human-Enabled Edge Computing: Exploiting the Crowd as a Dynamic Extension of Mobile Edge Computing. , 2018, 56, 145-155.		55

#	ARTICLE	IF	CITATIONS
19	Container Orchestration Engines: A Thorough Functional and Performance Comparison. , 2019, , .		55
20	Context-aware semantic discovery for next generation mobile systems. , 2006, 44, 62-71.		53
21	Context-aware handoff middleware for transparent service continuity in wireless networks. Pervasive and Mobile Computing, 2007, 3, 439-466.	2.1	50
22	Towards better scalability for IoT-cloud interactions via combined exploitation of MQTT and CoAP. , 2016, , .		49
23	A Mobile Delay-Tolerant Approach to Long-Term Energy-Efficient Underwater Sensor Networking. , 2007, , .		47
24	Quality of Service in Wide Scale Publish-Subscribe Systems. IEEE Communications Surveys and Tutorials, 2014, 16, 1591-1616.	24.8	43
25	Dynamic binding in mobile applications - A middleware approach. IEEE Internet Computing, 2003, 7, 34-42.	3.2	42
26	The Need of Multidisciplinary Approaches and Engineering Tools for the Development and Implementation of the Smart City Paradigm. Proceedings of the IEEE, 2018, 106, 738-760.	16.4	42
27	Bio-inspired multi-agent data harvesting in a proactive urban monitoring environment. Ad Hoc Networks, 2009, 7, 725-741.	3.4	41
28	A mobile computing middleware for location- and context-aware internet data services. ACM Transactions on Internet Technology, 2006, 6, 356-380.	3.0	40
29	An Open Secure Mobile Agent Framework for Systems Management. Journal of Network and Systems Management, 1999, 7, 323-339.	3.3	38
30	Differentiated Service/Data Migration for Edge Services Leveraging Container Characteristics. IEEE Access, 2019, 7, 139746-139758.	2.6	38
31	REDMAN: An optimistic replication middleware for read-only resources in dense MANETs. Pervasive and Mobile Computing, 2005, 1, 279-310.	2.1	34
32	Hybrid 5G optical-wireless SDN-based networks, challenges and open issues. IET Networks, 2017, 6, 141-148.	1.1	33
33	Prototyping nfv-based multi-access edge computing in 5G ready networks with open baton. , 2017, , .		33
34	CoLearn. , 2020, , .		32
35	A Social-Driven Edge Computing Architecture for Mobile Crowd Sensing Management. IEEE Communications Magazine, 2019, 57, 68-73.	4.9	31
36	Data Distribution Service (DDS): A performance comparison of OpenSplice and RTI implementations. , 2013, , .		30

#	ARTICLE	IF	CITATIONS
37	Mobile crowd sensing management with the ParticipAct living lab. <i>Pervasive and Mobile Computing</i> , 2017, 38, 200-214.	2.1	30
38	Peer-to-Peer Content Sharing Based on Social Identities and Relationships. <i>IEEE Internet Computing</i> , 2014, 18, 55-63.	3.2	29
39	Software-defined handover decision engine for heterogeneous cloud radio access networks. <i>Computer Communications</i> , 2018, 115, 21-34.	3.1	29
40	Interoperable Blockchains for Highly-Integrated Supply Chains in Collaborative Manufacturing. <i>Sensors</i> , 2021, 21, 4955.	2.1	29
41	Evaluating Filtering Strategies for Decentralized Handover Prediction in the Wireless Internet. , 2006, , .		28
42	Scalable and Cost-Effective Assignment of Mobile Crowdsensing Tasks Based on Profiling Trends and Prediction: The ParticipAct Living Lab Experience. <i>Sensors</i> , 2015, 15, 18613-18640.	2.1	28
43	Supporting context awareness in smart environments. , 2009, , .		26
44	Application-level QoS control for video-on-demand. <i>IEEE Internet Computing</i> , 2003, 7, 16-24.	3.2	23
45	Quality Management of Surveillance Multimedia Streams Via Federated SDN Controllers in Fiwi-IoT Integrated Deployment Environments. <i>IEEE Access</i> , 2018, 6, 21324-21341.	2.6	23
46	Toward Self-Adaptive Software Defined Fog Networking Architecture for IIoT and Industry 4.0. , 2019, , .		23
47	A migration-enhanced edge computing support for mobile devices in hostile environments. , 2017, , .		23
48	An integrated management environment for network resources and services. <i>IEEE Journal on Selected Areas in Communications</i> , 2000, 18, 676-685.	9.7	22
49	Personalized medical services using smart cities' infrastructures. , 2014, , .		22
50	Impact of Interdisciplinary Research on Planning, Running, and Managing Electromobility as a Smart Grid Extension. <i>IEEE Access</i> , 2015, 3, 2281-2305.	2.6	22
51	MANET-oriented SDN: Motivations, Challenges, and a Solution Prototype. , 2018, , .		22
52	IoTwinS: Toward Implementation of Distributed Digital Twins in Industry 4.0 Settings. <i>Computers</i> , 2022, 11, 67.	2.1	22
53	The real Ad-hoc Multi-hop Peer-to-peer (RAMP) middleware: An easy-to-use support for spontaneous networking. , 2010, , .		21
54	Priority-Based Resource Scheduling in Distributed Stream Processing Systems for Big Data Applications. , 2014, , .		21

#	ARTICLE	IF	CITATIONS
55	Virtual network function embedding in real cloud environments. <i>Computer Networks</i> , 2015, 93, 506-517.	3.2	21
56	Efficient Data Harvesting in Mobile Sensor Platforms. , 0, , .		20
57	IMS-based presence service with enhanced scalability and guaranteed QoS for interdomain enterprise mobility. <i>IEEE Wireless Communications</i> , 2009, 16, 16-23.	6.6	20
58	IMS-Compliant management of vertical handoffs for mobile multimedia session continuity. , 2010, 48, 114-121.		20
59	Bringing always best connectivity vision a step closer: challenges and perspectives. , 2013, 51, 158-166.		20
60	MINA: A reflective middleware for managing dynamic multinet network environments. , 2014, , .		20
61	Efficiently Managing Location Information with Privacy Requirements in Wi-Fi Networks: a Middleware Approach. , 0, , .		19
62	Differentiated Management Strategies for Multi-Hop Multi-Path Heterogeneous Connectivity in Mobile Environments. <i>IEEE Transactions on Network and Service Management</i> , 2011, 8, 190-204.	3.2	19
63	V2V protocols for traffic congestion discovery along routes of interest in VANETs: a quantitative study. <i>Wireless Communications and Mobile Computing</i> , 2016, 16, 2907-2923.	0.8	19
64	A Pre-Filtering Approach for Incorporating Contextual Information Into Deep Learning Based Recommender Systems. <i>IEEE Access</i> , 2020, 8, 40485-40498.	2.6	19
65	REDMAN: A Decentralized Middleware Solution for Cooperative Replication in Dense MANETs. , 0, , .		18
66	A Unifying Perspective on Context-Aware Evaluation and Management of Heterogeneous Wireless Connectivity. <i>IEEE Communications Surveys and Tutorials</i> , 2011, 13, 337-357.	24.8	18
67	Middleware for Differentiated Quality in Spontaneous Networks. <i>IEEE Pervasive Computing</i> , 2012, 11, 64-75.	1.1	18
68	The PeRvasive Environment Sensing and Sharing Solution. <i>Sustainability</i> , 2017, 9, 585.	1.6	18
69	QoS-aware elastic cloud brokering for IMS infrastructures. , 2012, , .		17
70	Constructing event-driven partial barriers with resilience in wireless mobile sensor networks. <i>Journal of Network and Computer Applications</i> , 2017, 82, 77-92.	5.8	17
71	Smart Cities: Recent Trends, Methodologies, and Applications. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-2.	0.8	17
72	Integrated support for handoff management and context awareness in heterogeneous wireless networks. , 2005, , .		16

#	ARTICLE	IF	CITATIONS
73	A k-hop Clustering Protocol for Dense Mobile Ad-Hoc Networks. , 2006, , .		16
74	Standard Integration of Sensing and Opportunistic Diffusion for Urban Monitoring in Vehicular Sensor Networks: the MobEyes Architecture. , 2007, , .		16
75	A Middleware Solution for Wireless IoT Applications in Sparse Smart Cities. Sensors, 2017, 17, 2525.	2.1	16
76	Value of Information Based Sensor Ranking for Efficient Sensor Service Allocation in Service Oriented Wireless Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 823-838.	3.2	16
77	Toward Energy-Efficient Distributed Federated Learning for 6G Networks. IEEE Wireless Communications, 2021, 28, 34-40.	6.6	16
78	Mobility-aware middleware for self-organizing heterogeneous networks with multihop multipath connectivity. IEEE Wireless Communications, 2008, 15, 22-30.	6.6	15
79	Mobility-aware Management of Internet Connectivity in Always Best Served Wireless Scenarios. Mobile Networks and Applications, 2009, 14, 18-34.	2.2	15
80	V2X Protocols for Low-Penetration-Rate and Cooperative Traffic Estimations. , 2014, , .		15
81	Elastic Provisioning of Internet of Things Services Using Fog Computing: An Experience Report. , 2018, , .		15
82	FogDocker. , 2019, , .		15
83	Machine Learning for Predictive Diagnostics at the Edge: an IIoT Practical Example. , 2020, , .		15
84	Application-Level Middleware to Proactively Manage Handoff in Wireless Internet Multimedia. Lecture Notes in Computer Science, 2005, , 156-167.	1.0	15
85	COSMOS: A Context-Centric Access Control Middleware for Mobile Environments. Lecture Notes in Computer Science, 2003, , 77-88.	1.0	14
86	Self-adaptive handoff management for mobile streaming continuity. IEEE Transactions on Network and Service Management, 2009, 6, 80-94.	3.2	14
87	Collision-free reinforced barriers in UAV networks. Journal of Computational Science, 2017, 22, 289-300.	1.5	14
88	Efficient spark-based framework for big geospatial data query processing and analysis. , 2017, , .		14
89	Converging Mobile Edge Computing, Fog Computing, and IoT Quality Requirements. , 2017, , .		14
90	TEMPOS: QoS Management Middleware for Edge Cloud Computing FaaS in the Internet of Things. IEEE Access, 2022, 10, 49114-49127.	2.6	14

#	ARTICLE	IF	CITATIONS
91	Smart applications for the maintenance of large buildings: How to achieve ontology-based interoperability at the information level. , 2010, , .		13
92	The Future Internet convergence of IMS and ubiquitous smart environments: An IMS-based solution for energy efficiency. Journal of Network and Computer Applications, 2012, 35, 1203-1209.	5.8	13
93	Big Spatial Data Management for the Internet of Things: A Survey. Journal of Network and Systems Management, 2020, 28, 990-1035.	3.3	13
94	A Reference Model and Prototype Implementation for SDN-Based Multi Layer Routing in Fog Environments. IEEE Transactions on Network and Service Management, 2020, 17, 1460-1473.	3.2	13
95	End-to-end QoS Management in Self-Configuring TSN Networks. , 2021, , .		13
96	Mobile agents for QoS tailoring, control and adaptation over the internet: the ubiQoS video on demand service. , 0, , .		12
97	Discovering and accessing peer-to-peer services in UPnP-based federated Domotic Islands. IEEE Transactions on Consumer Electronics, 2012, 58, 810-818.	3.0	12
98	Proximity discovery and data dissemination for mobile crowd sensing using LTE direct. Computer Networks, 2017, 129, 510-521.	3.2	12
99	LTE proximity discovery for supporting participatory mobile health communities. , 2017, , .		11
100	Software Defined Networking for Quality-aware Management of Multi-hop Spontaneous Networks. , 2018, , .		11
101	MQTT-Driven Sustainable Node Discovery for Internet of Things-Fog Environments. , 2018, , .		11
102	Java for On-line Distributed Monitoring of Heterogeneous Systems and Services. Computer Journal, 2002, 45, 595-607.	1.5	10
103	SKYPE RESILIENCE TO HIGH MOTION VIDEOS. International Journal of Wavelets, Multiresolution and Information Processing, 2013, 11, 1350029.	0.9	10
104	Multi-domain SDN controller federation in hybrid FiWi-MANET networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	10
105	MQTT-Driven Node Discovery for Integrated IoT-Fog Settings Revisited: The Impact of Advertiser Dynamicy. , 2018, , .		10
106	Spatial-Aware Approximate Big Data Stream Processing. , 2019, , .		10
107	Efficient and Privacy Preserving Video Transmission in 5G-Enabled IoT Surveillance Networks: Current Challenges and Future Directions. IEEE Network, 2021, 35, 26-33.	4.9	10
108	SIP-Based Proactive Handoff Management for Session Continuity in the Wireless Internet. , 2006, , .		9

#	ARTICLE	IF	CITATIONS
109	k-hop Backbone Formation in Ad Hoc Networks. , 2007, , .		9
110	The PoSIM middleware for translucent and context-aware integrated management of heterogeneous positioning systems. Computer Communications, 2008, 31, 1078-1090.	3.1	9
111	Implementing and evaluating V2X protocols over iTETRIS. , 2014, , .		9
112	GAMESH: A grid architecture for scalable monitoring and enhanced dependable job scheduling. Future Generation Computer Systems, 2017, 71, 192-201.	4.9	9
113	Cooperative Vehicular Traffic Monitoring in Realistic Low Penetration Scenarios: The COLOMBO Experience. Sensors, 2018, 18, 822.	2.1	9
114	Fog-Driven Context-Aware Architecture for Node Discovery and Energy Saving Strategy for Internet of Things Environments. IEEE Access, 2019, 7, 134173-134186.	2.6	9
115	HOListic pRocessing and NETworking (HORNET): An Integrated Solution for IoT-Based Fog Computing Services. IEEE Access, 2020, 8, 66707-66721.	2.6	9
116	A Virtual Emotion Detection Architecture With Two-Way Enabled Delay Bound toward Evolutional Emotion-Based IoT Services. IEEE Transactions on Mobile Computing, 2022, 21, 1172-1181.	3.9	9
117	Middleware services for interoperability in open mobile agent systems. Microprocessors and Microsystems, 2001, 25, 75-83.	1.8	8
118	How to support Internet-based distribution of video on demand to portable devices. , 0, , .		8
119	An IMS Vertical Handoff Solution to Dynamically Adapt Mobile Multimedia Services. , 2008, , .		8
120	A Research Roadmap for Context-Awareness-Based Self-managed Systems. Lecture Notes in Computer Science, 2013, , 275-283.	1.0	8
121	Enhancing Intradomain Scalability of IMS-Based Services. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 2386-2395.	4.0	8
122	NoMISHAP: A Novel Middleware Support for High Availability in Multicloud PaaS. IEEE Cloud Computing, 2017, 4, 60-72.	5.3	8
123	Automated selection of offloadable tasks for mobile computation offloading in edge computing. , 2017, , .		8
124	Cost-Effective Strategies for Provisioning NoSQL Storage Services in Support for Industry 4.0. , 2018, , .		8
125	Enabling Multi-Mission Interoperable UAS Using Data-Centric Communications. Sensors, 2018, 18, 3421.	2.1	8
126	Efficient QoS-Aware Spatial Join Processing for Scalable NoSQL Storage Frameworks. IEEE Transactions on Network and Service Management, 2021, 18, 2437-2449.	3.2	8

#	ARTICLE	IF	CITATIONS
127	The ubiQoS middleware for audio streaming to bluetooth devices. , 0, , .		7
128	Lightweight autonomic dissemination of entertainment services in widescale wireless environments. , 2005, 43, 94-101.		7
129	Enhancing the Scalability of IMS-Based Presence Service for LBS Applications. , 2009, , .		7
130	Self-Organizing Seamless Multimedia Streaming in Dense Manets. IEEE Pervasive Computing, 2013, 12, 68-78.	1.1	7
131	In-memory Spatial-Aware Framework for Processing Proximity-Alike Queries in Big Spatial Data. , 2018, , .		7
132	A Support Infrastructure for Machine Learning at the Edge in Smart City Surveillance. , 2019, , .		7
133	MQTT-based Middleware for Container Support in Fog Computing Environments. , 2019, , .		7
134	QoS and performance metrics for container-based virtualization in cloud environments. , 2019, , .		7
135	An Edge-based Distributed Ledger Architecture for Supporting Decentralized Incentives in Mobile Crowdsensing. , 2020, , .		7
136	Prioritization and Alert Fusion in Distributed IoT Sensors Using Kademlia Based Distributed Hash Tables. IEEE Access, 2020, 8, 175194-175204.	2.6	7
137	Defining the Behavior of IoT Devices Through the MUD Standard: Review, Challenges, and Research Directions. IEEE Access, 2021, 9, 126265-126285.	2.6	7
138	Adaptive Buffering-Based on Handoff Prediction for Wireless Internet Continuous Services. Lecture Notes in Computer Science, 2005, , 1021-1032.	1.0	7
139	Active middleware for Internet Video on Demand: the QoS-aware routing solution in ubiQoS. Microprocessors and Microsystems, 2003, 27, 73-83.	1.8	6
140	Mobile Middleware Solutions for the Adaptive Management of Multimedia QoS to Wireless Portable Devices. , 0, , .		6
141	Coupling Transparency and Visibility: a Translucent Middleware Approach for Positioning System Integration and Management (PoSIM). , 2006, , .		6
142	How node mobility affects k-hop cluster quality in Mobile Ad Hoc NETWORKS: A quantitative evaluation. , 2008, , .		6
143	Bio-Inspired Multi-agent Collaboration for Urban Monitoring Applications. Lecture Notes in Computer Science, 2008, , 204-216.	1.0	6
144	Off-the-shelf ready to go middleware for self-reconfiguring and self-optimizing ubiquitous computing applications. , 2011, , .		6

#	ARTICLE	IF	CITATIONS
145	Discovering traffic congestion along routes of interest using VANETs. , 2013, , .		6
146	Middleware-Layer Quality-Aware Collaborative Re-casting of Live Multimedia in Multi-hop Spontaneous Networks. Journal of Network and Systems Management, 2015, 23, 620-649.	3.3	6
147	Cloud Resource Management With Turnaround Time Driven Auto-Scaling. IEEE Access, 2017, 5, 9831-9841.	2.6	6
148	On collision-free reinforced barriers for multi domain IoT with heterogeneous UAVs. , 2017, , .		6
149	SDN-Based Traffic Management Middleware for Spontaneous WMNs. Journal of Network and Systems Management, 2020, 28, 1575-1609.	3.3	6
150	Energy and congestion aware routing based on hybrid gradient fields for wireless sensor networks. Wireless Networks, 2021, 27, 175-193.	2.0	6
151	Industry 4.0 Solutions for Interoperability: a Use Case about Tools and Tool Chains in the Arrowhead Tools Project. , 2020, , .		6
152	A layered infrastructure for mobility-aware best connectivity in the heterogeneous wireless internet. , 2008, , .		6
153	Challenges, Opportunities and Solutions for Ubiquitous Eldercare. , 0, , 142-165.		6
154	Measuring the impact of COVID-19 restrictions on mobility: A real case study from Italy. Journal of Communications and Networks, 2021, 23, 340-349.	1.8	6
155	Digital twin oriented architecture for secure and QoS aware intelligent communications in industrial environments. Pervasive and Mobile Computing, 2022, 85, 101646.	2.1	6
156	Mobile Cloud Networking: Lessons Learnt, Open Research Directions, and Industrial Innovation Opportunities. , 2016, , .		5
157	The Trap Coverage Area Protocol for Scalable Vehicular Target Tracking. IEEE Access, 2017, 5, 4470-4491.	2.6	5
158	Cloud Distributed File Systems: A Benchmark of HDFS, Ceph, GlusterFS, and XtremeFS. , 2018, , .		5
159	Spatially Representative Online Big Data Sampling for Smart Cities. , 2020, , .		5
160	Elastic Provisioning of Stateful Telco Services in Mobile Cloud Networking. IEEE Transactions on Services Computing, 2021, 14, 710-723.	3.2	5
161	QoS-Aware Approximate Query Processing for Smart Cities Spatial Data Streams. Sensors, 2021, 21, 4160.	2.1	5
162	QoS-Enabled Semantic Routing for Industry 4.0 based on SDN and MOM Integration. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
163	Crowdsensing in Smart Cities. Advances in Environmental Engineering and Green Technologies Book Series, 2015, , 316-338.	0.3	5
164	The QUASIT Model and Framework for Scalable Data Stream Processing with Quality of Service. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 92-107.	0.2	5
165	Meeting Stringent QoS Requirements in IIoT-based Scenarios. , 2020, , .		5
166	A mobility-based deployment strategy for edge data centers. Journal of Parallel and Distributed Computing, 2022, 164, 133-141.	2.7	5
167	Design and Implementation of a Scalable and QoS-aware Stream Processing Framework: The Quasit Prototype. , 2012, , .		4
168	Cloud Computing, Networking, and Services. Journal of Network and Systems Management, 2012, 20, 463-467.	3.3	4
169	Smart communications via a tree-based overlay over multiple and heterogeneous (TOMH) spontaneous networks. , 2013, , .		4
170	Special Issue on Context-aware Mobile Recommender Systems. Pervasive and Mobile Computing, 2017, 38, 444-445.	2.1	4
171	Multi-stage resource allocation in hybrid 25G-EPON and LTE-Advanced Pro FiWi networks for 5G systems. IET Networks, 2018, 7, 173-180.	1.1	4
172	Improved Adaptation and Survivability via Dynamic Service Composition of Ubiquitous Computing Middleware. IEEE Access, 2018, 6, 33604-33620.	2.6	4
173	A Simulation Framework for Virtualized Resources in Cloud Data Center Networks. IEEE Journal on Selected Areas in Communications, 2019, 37, 1808-1819.	9.7	4
174	Self-Adaptive Management of SDN Distributed Controllers for Highly Dynamic IoT Networks. , 2019, , .		4
175	Design Guidelines for Big Data Gathering in Industry 4.0 Environments. , 2019, , .		4
176	Internet Connectivity Sharing in Multi-path Spontaneous Networks: Comparing and Integrating Network- and Application-Layer Approaches. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 84-99.	0.2	4
177	Locality-Preserving Spatial Partitioning for Geo Big Data Analytics in Main Memory Frameworks. , 2020, , .		4
178	Mobile agents for Web-based systems management. Internet Research, 1999, 9, 360-371.	2.7	3
179	Lightweight Replication Middleware for Data and Service Components in Dense MANETs. , 0, , .		3
180	Mobility-Aware Connectivity for Seamless Multimedia Delivery in the Heterogeneous Wireless Internet. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	3

#	ARTICLE	IF	CITATIONS
181	Dynamic and context-aware streaming adaptation to smooth quality degradation due to IEEE 802.11 performance anomaly. <i>Journal of Supercomputing</i> , 2008, 45, 15-28.	2.4	3
182	QoS management middleware solutions for Bluetooth audio distribution. <i>Pervasive and Mobile Computing</i> , 2008, 4, 117-138.	2.1	3
183	Understanding and enhancing the scalability of IMS-based services for Wireless Local Networks. , 2009, , .		3
184	Recent Advances in Mobile Middleware for Wireless Systems and Services. <i>Mobile Networks and Applications</i> , 2011, 16, 267-269.	2.2	3
185	Online stream processing of machine-to-machine communications traffic: A platform comparison. , 2014, , .		3
186	Lightweight Internet Traffic Classification: A Subject-Based Solution with Word Embeddings. , 2016, , .		3
187	Human dynamics of mobile crowd sensing experimental datasets. , 2017, , .		3
188	Automated offloading of android applications for computation/energy optimizations. , 2017, , .		3
189	MEFS: Mobile Edge File System for Edge-Assisted Mobile Apps. , 2019, , .		3
190	Analysis of Growth Strategies in Social Media: The Instagram Use Case. , 2019, , .		3
191	Complexity Problems Handled by Big Data Technology. <i>Complexity</i> , 2019, 2019, 1-7.	0.9	3
192	Virtual Environments as Enablers of Civic Awareness and Engagement. <i>International Journal of Urban Planning and Smart Cities</i> , 2020, 1, 22-34.	0.4	3
193	Smart Management of Healthcare Professionals Involved in COVID-19 Contrast With SWAPS. <i>Frontiers in Sustainable Cities</i> , 2021, 3, .	1.2	3
194	Policy-Driven Binding to Information Resources in Mobility-Enabled Scenarios. <i>Lecture Notes in Computer Science</i> , 2003, , 212-229.	1.0	3
195	Multi-hop Multi-path Cooperative Connectivity Guided by Mobility, Throughput, and Energy Awareness: a Middleware Approach. <i>Journal of Software</i> , 2009, 4, .	0.6	3
196	Automated Provisioning of SaaS Applications over IaaS-Based Cloud Systems. <i>Communications in Computer and Information Science</i> , 2013, , 94-105.	0.4	3
197	Mobile Crowd Sensing as an Enabler for People as a Service Mobile Computing. <i>Lecture Notes in Computer Science</i> , 2017, , 144-157.	1.0	3
198	Interaction and Behaviour Evaluation for Smart Homes. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
199	Efficiently Integrating Mobility and Environment Data for Climate Change Analytics. , 2021, , .		3
200	The mobile agent technology to support and to access museum information. , 2000, , .		2
201	QoS-aware accounting in mobile computing scenarios. , 2003, , .		2
202	MUMOC: An Active Infrastructure for Open Video Caching. , 0, , .		2
203	"Middleware for Next-Generation Converged Networks and Services: Myths or Reality?". Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007, , .	0.0	2
204	Recent Advances in Mobile Middleware for Wireless Systems and Services. Mobile Networks and Applications, 2009, 14, 1-3.	2.2	2
205	A practical approach to easily monitoring and managing IaaS environments. , 2013, , .		2
206	Dynamic datacenter resource provisioning for high-performance distributed stream processing with adaptive fault-tolerance. , 2013, , .		2
207	Soft real-time GPRS traffic analytics for commercial M2M communications using spark. , 2014, , .		2
208	Participact for smart and connected communities. , 2018, , .		2
209	Delay-Bounded Virtual Emotion Recognition Using IoT Barriers in Advanced Smart Environment. , 2019, , .		2
210	Security in Programmable Network Infrastructures: The Integration of Network and Application Solutions. Lecture Notes in Computer Science, 2000, , 262-276.	1.0	2
211	Evaluating CP Techniques to Plan Dynamic Resource Provisioning in Distributed Stream Processing. Lecture Notes in Computer Science, 2014, , 193-209.	1.0	2
212	Middleware Technologies: CORBA and Mobile Agents. , 2001, , 110-152.		2
213	Context-Aware Middleware for Reliable Multi-hop Multi-path Connectivity. Lecture Notes in Computer Science, 2008, , 66-78.	1.0	2
214	Complexity Problems Handled by Advanced Computer Simulation Technology in Smart Cities 2021. Complexity, 2022, 2022, 1-3.	0.9	2
215	Mobile agent solutions for accounting management in mobile computing. , 0, , .		1
216	Application domain accounting for roaming services. , 0, , .		1

#	ARTICLE	IF	CITATIONS
217	Java-Based Proactive Buffering for Multimedia Streaming Continuity in the Wireless Internet. , 0, , .		1
218	Context-Aware Multimedia Middleware Solutions for Counteracting IEEE 802.11 Performance Anomaly. , 2007, , .		1
219	Management Challenges and Solutions for IP Multimedia Subsystems. Journal of Network and Systems Management, 2008, 16, 11-13.	3.3	1
220	Pervasive computing at scale: Challenges and research directions. , 2011, , .		1
221	The Smart-M3 Semantic Information Broker (SIB) Plug-In Extension: Implementation and Evaluation Experiences. , 2012, , .		1
222	Social-Aware Differentiated Visibility of Home-to-Home Shared Resources in Spontaneous Networks. , 2013, , .		1
223	Emerging research areas in SIP-based converged services for extended Web clients. World Wide Web, 2014, 17, 1295-1319.	2.7	1
224	An Implementation Experience with SDN-enabled IoT Data Exchange Middleware. , 2018, , .		1
225	DCNs-2. , 2018, , .		1
226	Toward Privacy-Aware Healthcare Data Fusion Systems. Communications in Computer and Information Science, 2019, , 26-37.	0.4	1
227	Context Incorporation Techniques for Social Recommender Systems. , 2021, , .		1
228	Dynamic Identification of Participatory Mobile Health Communities. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 208-217.	0.2	1
229	Wired-Wireless Multimedia Networks and Services Management. Lecture Notes in Computer Science, 2009, , .	1.0	1
230	Integrating mobile internet of things and cloud computing towards scalability: lessons learned from existing fog computing architectures and solutions. International Journal of Cloud Computing, 2017, 6, 393.	0.3	1
231	Social sharing of connectivity resources: control and encouragement of unselfishness in mobile environments. , 2009, , .		1
232	Towards an Automated BPEL-based SaaS Provisioning Support for OpenStack IaaS. Scalable Computing, 2014, 14, .	0.7	1
233	Cyber Physical Sensors and Actuators for Privacy- and Cost-Aware Optimization of User-Generated Content Provisioning. International Journal of Distributed Sensor Networks, 2015, 2015, 1-10.	1.3	1
234	A Comprehensive Fog-Enabled Architecture for IoT Platforms. Communications in Computer and Information Science, 2019, , 177-190.	0.4	1

#	ARTICLE	IF	CITATIONS
235	High-Level Metrics for Service Level Objective-aware Autoscaling in Polaris: a Performance Evaluation. , 2022, , .		1
236	Pervasive Accounting of Resource Consumption for Wireless Services with Adaptive QoS. Lecture Notes in Computer Science, 2003, , 155-169.	1.0	0
237	Middleware-level QoS differentiation in the wireless Internet: the ubiQoS solution for audio streaming over Bluetooth. , 0, , .		0
238	Workshop Summary-ICSE Workshop on Software Engineering for Pervasive Computing Applications, Systems, and Environments (SEPCASE). , 2007, , .		0
239	LIFE.net over Web: An advanced monitoring protocol for UPS systems. , 2007, , .		0
240	PreQuEst: A Scalable and Proactive Quality Enrichment for Presence Services. , 2009, , .		0
241	Effective adaptation decisions based on context-aware proactive handoff for mobile multimedia continuity maintenance. , 2009, , .		0
242	Welcome messages. , 2010, , .		0
243	Editorial: Smart Space Technological Developments. IET Communications, 2011, 5, 2431-2433.	1.5	0
244	SISS 2011 Message. , 2011, , .		0
245	Effective epidemic dissemination of multimedia metadata in Peer-to-Peer overlay networks: The Metis architecture and prototype. , 2011, , .		0
246	DRIVE: Discovery seRvice for fully-Integrated 5G enVironmEnt in the IoT. , 2018, , .		0
247	Clustering of Spatial Data with DBSCAN: An Assessment of STARK. , 2019, , .		0
248	The Audit4Cloud Platform for Auditing the Networking Performance of Public Clouds. , 2019, , .		0
249	Multi Layer Routing in SDN-enabled Fog Environments. , 2020, , .		0
250	Editorial for this SI on "Location Based Services and Applications in the era of Internet of Things" Pervasive and Mobile Computing, 2021, 71, 101350.	2.1	0
251	Fog Node Placement in IoT Scenarios with Stringent QoS Requirements: Experimental Evaluation. , 2021, , .		0
252	Middleware Solutions for Self-organizing Multi-hop Multi-path Internet Connectivity Based on Bluetooth. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 58-71.	0.2	0

#	ARTICLE	IF	CITATIONS
253	Presence Services for the Support of Location-Based Applications. , 2010, , 233-260.		0
254	iPOJO-based Middleware Solutions for Self-Reconfiguration and Self-Optimization. KSII Transactions on Internet and Information Systems, 2011, 5, .	0.7	0
255	Middleware for Semantic Multicast in Spontaneous Multi-hop Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 45-61.	0.2	0
256	The 1st International Workshop on Self-Managing Pervasive Service Systems (SeMaPS 2012). Lecture Notes in Computer Science, 2013, , 253-254.	1.0	0
257	Quality-of-Service in Data Center Stream Processing for Smart City Applications. , 2015, , 1047-1076.		0
258	Crowdsensing in Smart Cities. , 2019, , 893-915.		0
259	Virtual Environments as Enablers of Civic Awareness and Engagement. , 2022, , 565-578.		0