

# Carlos Garcia-Rubio

## List of Publications by Year in descending order

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39  
papers

372  
citations

1040018

9  
h-index

888047

17  
g-index

39  
all docs

39  
docs citations

39  
times ranked

306  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new model for service and application convergence in B3g/4G networks. IEEE Wireless Communications, 2004, 11, 6-12.	9.0	74
2	PDP and GSDL: A New Service Discovery Middleware to Support Spontaneous Interactions in Pervasive Systems. , 0, , .		30
3	PDP: A lightweight discovery protocol for local-scope interactions in wireless ad hoc networks. Computer Networks, 2006, 50, 3264-3283.	5.1	30
4	Trust management for multimedia P2P applications in autonomic networking. Ad Hoc Networks, 2011, 9, 687-697.	5.5	27
5	Performance evaluation of CoAP and MQTT with security support for IoT environments. Computer Networks, 2021, 197, 108338.	5.1	27
6	Building service-oriented Smart Infrastructures over Wireless Ad Hoc Sensor Networks: A middleware perspective. Computer Networks, 2012, 56, 1303-1328.	5.1	24
7	Performance Evaluation of LZ-Based Location Prediction Algorithms in Cellular Networks. IEEE Communications Letters, 2010, 14, 707-709.	4.1	20
8	Study of LZ-Based Location Prediction and Its Application to Transportation Recommender Systems. Sensors, 2012, 12, 7496-7517.	3.8	20
9	Performance Evaluation of CoAP and MQTT_SN in an IoT Environment. Proceedings (mdpi), 2019, 31, .	0.2	18
10	Entropy-Based Privacy against Profiling of User Mobility. Entropy, 2015, 17, 3913-3946.	2.2	13
11	Using Entropy of Social Media Location Data for the Detection of Crowd Dynamics Anomalies. Electronics (Switzerland), 2018, 7, 380.	3.1	10
12	A Bandwidth-Efficient Service for Local Information Dissemination in Sparse to Dense Roadways. Sensors, 2013, 13, 8612-8639.	3.8	9
13	INRISCO: Incident monitoRing in Smart COmmunities. IEEE Access, 2020, 8, 72435-72460.	4.2	8
14	Impact of location history collection schemes on observed human mobility features. , 2014, , .		7
15	A hybrid analysis of LBSN data to early detect anomalies in crowd dynamics. Future Generation Computer Systems, 2020, 109, 83-94.	7.5	7
16	Context awareness in network selection for dynamic environments. Telecommunication Systems, 2007, 36, 49-60.	2.5	5
17	A Trust-based Middleware for Providing Security to Ad-Hoc Peer-to-Peer Applications. , 2008, , .		5
18	Detecting and Reducing Biases in Cellular-Based Mobility Data Sets. Entropy, 2018, 20, 736.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Decoupling path failure detection from congestion control to improve SCTP failovers. IEEE Communications Letters, 2008, 12, 858-860.	4.1	4
20	MOFETA: A Network Architecture Based on MOBILE FEmtocells to Enhance Cellular Connectivity on TrAins. Lecture Notes in Computer Science, 2012, , 174-185.	1.3	4
21	Service architecting and dynamic composition in pervasive smart ecosystems for the internet of things based on sensor network technology. Journal of Ambient Intelligence and Smart Environments, 2014, 6, 331-333.	1.4	3
22	Analysis of a fast LZ-based entropy estimator for mobility data. , 2015, , .		3
23	DNS-Based Service Discovery in Ad Hoc Networks: Evaluation and Improvements. Lecture Notes in Computer Science, 2006, , 111-122.	1.3	3
24	Building an Open Toolkit of Digital Certificate Validation for Mobile Web Services. , 2008, , .		2
25	Bandwidth efficient broadcasting in VANETs. , 2012, , .		2
26	A Bandwidth-Efficient Dissemination Scheme of Non-Safety Information in Urban VANETs. Sensors, 2016, 16, 988.	3.8	2
27	Performance Evaluation of the CoAP Protocol with Security Support for IoT Environments. , 2020, , .		2
28	Context Awareness in Network Selection for Dynamic Environments. Lecture Notes in Computer Science, 2006, , 216-227.	1.3	2
29	Entropy-Based Anomaly Detection in Household Electricity Consumption. Energies, 2022, 15, 1837.	3.1	2
30	Smart card-based agents for fair non-repudiation. Computer Networks, 2007, 51, 2288-2298.	5.1	1
31	Bandwidth-efficient techniques for information dissemination in urban vehicular networks. , 2014, , .		1
32	Trust Negotiation Protocol Support for Secure Mobile Network Service Deployment. International Federation for Information Processing, 2008, , 271-282.	0.4	1
33	An Efficient, Eco-Friendly Approach for Push-Advertising of Services in VANETs. Lecture Notes in Computer Science, 2012, , 50-57.	1.3	1
34	Performance Evaluation of J2ME And Symbian Applications in Smart Camera Phones. , 2007, , .		0
35	Selection and publication of network interface cards in multihomed pervasive computing devices. , 2011, , .		0
36	Recommendations on the Move. Intelligent Systems Reference Library, 2012, , 179-193.	1.2	0

#	ARTICLE	IF	CITATIONS
37	Characterizing Mobile Telephony Signals in Indoor Environments for Their Use in Fingerprinting-Based User Location. Lecture Notes in Computer Science, 2013, , 223-230.	1.3	0
38	Adapting a Bandwidth-Efficient Information Dissemination Scheme for Urban VANETs. Lecture Notes in Computer Science, 2015, , 72-83.	1.3	0
39	Performance Evaluation of J2ME and Symbian Applications in Smart Camera Phones. Advances in Soft Computing, 2009, , 48-56.	0.4	0