

Carlos Garcia-Rubio

List of Publications by Year in descending order

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39
papers

372
citations

1040056
9
h-index

888059
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 |