

Mari Carmen Aguayo-Torres

List of Publications by Year in descending order

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61
papers

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times ranked

683
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Emerging Tools for Link Adaptation on 5G NR and Beyond: Challenges and Opportunities. IEEE Access, 2021, 9, 126976-126987. | 4.2 | 6 |
| 2 | Coordinated Multicast/Unicast Transmission on 5G: A Novel Approach for Linear Broadcasting. Wireless Personal Communications, 2021, 121, 1273-1287. | 2.7 | 3 |
| 3 | Overview of LTE for Vehicular Communications. Wireless Personal Communications, 2020, 113, 1471-1494. | 2.7 | 3 |
| 4 | Impact of Front-Haul Delays in Non-ideal Cloud Radio Access Networks. Wireless Personal Communications, 2019, 106, 2005-2022. | 2.7 | 2 |
| 5 | On muting mobile terminals for uplink interference mitigation in HetNets system-level analysis via stochastic geometry. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, . | 2.4 | 3 |
| 6 | Link Adaptation Mechanisms Based on Logistic Regression Modeling. IEEE Communications Letters, 2019, 23, 942-945. | 4.1 | 17 |
| 7 | Vehicular Channels: Characteristics, Models and Implications on Communication Systems Design. Wireless Personal Communications, 2019, 106, 237-260. | 2.7 | 4 |
| 8 | Analysis of Coverage and Binary Rate in a Hybrid/Full Duplex Heterogeneous Cellular Network under Various Association Criteria. Wireless Personal Communications, 2019, 106, 2211-2224. | 2.7 | 2 |
| 9 | Geolocation-Based Access for Vehicular Communications: Analysis and Optimization via Stochastic Geometry. IEEE Transactions on Vehicular Technology, 2018, 67, 3069-3084. | 6.3 | 51 |
| 10 | A System-Level Simulator for the Downlink of LTE-A: Case of Study Cell-Offloading in HetNets. Wireless Personal Communications, 2018, 100, 177-191. | 2.7 | 3 |
| 11 | Link abstraction models for multicarrier systems: A logistic regression approach. International Journal of Communication Systems, 2018, 31, e3436. | 2.5 | 7 |
| 12 | Downlink Performance of Optical OFDM in Outdoor Visible Light Communication. IEEE Access, 2018, 6, 76854-76866. | 4.2 | 23 |
| 13 | Fairness and Rate Coverage of Symmetric Transmission over Heterogeneous Cellular Networks under Diverse Coupling and Association Criteria. Wireless Personal Communications, 2017, 95, 101-125. | 2.7 | 2 |
| 14 | A Framework to Evaluate Fairness in Fractional Frequency Reuse Based Cellular Networks. Wireless Personal Communications, 2017, 95, 287-297. | 2.7 | 1 |
| 15 | Joint Uplink/Downlink Coverage and Spectral Efficiency in Heterogeneous Cellular Network. Wireless Personal Communications, 2017, 95, 233-244. | 2.7 | 3 |
| 16 | Analytical Modeling of Interference Aware Power Control for the Uplink of Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 6742-6757. | 9.2 | 33 |
| 17 | Network Performance Testing System Integrating Models for Automatic QoE Evaluation of Popular Services: YouTube and Facebook. Wireless Personal Communications, 2015, 81, 1377-1397. | 2.7 | 5 |
| 18 | Fundamental tradeoffs among reliability, latency and throughput in cellular networks. , 2014, , . | | 94 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Smart Cities via Data Aggregation. <i>Wireless Personal Communications</i> , 2014, 76, 149-168. | 2.7 | 20 |
| 20 | A Framework for Testing of Wireless Underwater Robots. <i>Wireless Personal Communications</i> , 2013, 70, 1171-1181. | 2.7 | 2 |
| 21 | LTE Performance over High Speed Railway Channel. , 2013, , . | | 13 |
| 22 | Spectral Efficiency of Interleaved SC-FDMA With Adaptive Modulation and Coding Over Nakagami- m Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2013, 62, 3663-3670. | 6.3 | 7 |
| 23 | Performance of SIMO MRC SC-FDMA over shadowed Rice Land Mobile Satellite channel. , 2013, , . | | 2 |
| 24 | Performance evaluation of cooperation-based techniques for M2M traffic over LTE. , 2013, , . | | 2 |
| 25 | Link level performance of Single Carrier Frequency Division Multiple Access (SC-FDMA) for Land Mobile Satellite (LMS) channel. , 2012, , . | | 2 |
| 26 | Equal gain combining (EGC) SC-FDMA performance over Land Mobile Satellite (LMS) Rice fading channel. , 2012, , . | | 0 |
| 27 | Analysis and evaluation of Cooperative Multi-Point transmission/reception and soft handover for LTE-Advanced. , 2012, , . | | 2 |
| 28 | Wireless Underwater Communications. <i>Wireless Personal Communications</i> , 2012, 64, 547-560. | 2.7 | 35 |
| 29 | Application of Student's t and Behrens's Fisher distributions to the analysis of enhanced noise after zero-forcing frequency domain equalisation. <i>IET Communications</i> , 2012, 6, 55. | 2.2 | 4 |
| 30 | SC-FDMA performance over Ricean channel. , 2011, , . | | 2 |
| 31 | LTE performance in the airport surface area channel. , 2011, , . | | 2 |
| 32 | BER Analysis for Zero-Forcing SC-FDMA Over Nakagami- m Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2011, 60, 4077-4081. | 6.3 | 21 |
| 33 | BER analysis for SC-FDMA over Rayleigh fading channels. , 2011, , . | | 6 |
| 34 | Performance of LTE in Vehicle-to-Vehicle Channels. , 2011, , . | | 12 |
| 35 | Advancing Radio Testing Methodology via Formal Notations. <i>Wireless Personal Communications</i> , 2010, 53, 409-429. | 2.7 | 1 |
| 36 | Users, Economics, Technology: Unavoidable Interdynamics. <i>Wireless Personal Communications</i> , 2010, 53, 437-442. | 2.7 | 1 |

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|----|---|-----|-----------|
| 37 | QoS Modeling for End-to-End Performance Evaluation over Networks with Wireless Access. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, . | 2.4 | 6 |
| 38 | Analysis of SC-FDMA spectral efficiency over Rayleigh fading channels. , 2010, , . | | 1 |
| 39 | Sum of Ratios of Complex Gaussian RVs and Its Application to a Simple OFDM Relay Network. , 2010, , . | | 4 |
| 40 | Analysis of the Tradeoff between Delay and Source Rate in Multiuser Wireless Systems. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, . | 2.4 | 3 |
| 41 | BER analysis for OFDM with ZF-FDE in Nakagami-m fading channels. , 2010, , . | | 0 |
| 42 | Capacity with Explicit Delay Guarantees for Generic Sources over Correlated Rayleigh Channel. IEEE Transactions on Wireless Communications, 2010, 9, 1901-1911. | 9.2 | 55 |
| 43 | Analysis of Delay Constrained Communications over OFDM Systems. , 2009, , . | | 1 |
| 44 | On the bivariate pearson type VII and its application to the BER analysis for SC-FDMA. , 2009, , . | | 3 |
| 45 | Role of Convergence in GIMCV Development: A Vision. Wireless Personal Communications, 2009, 49, 321-334. | 2.7 | 1 |
| 46 | On finite state Markov chains for Rayleigh channel modeling. , 2009, , . | | 9 |
| 47 | Multiuser capacity for heterogeneous QoS constraints in uncorrelated Rayleigh channels. , 2009, , . | | 3 |
| 48 | Closed-Form BER Expression for Interleaved SC-FDMA with M-QAM. , 2009, , . | | 11 |
| 49 | Capacity with Probabilistic Delay Constraint for Voice Traffic in a Rayleigh Channel. , 2009, , . | | 1 |
| 50 | A Real-Time End-to-End Testbed for Evaluating the Performance of Multimedia Services. Lecture Notes in Computer Science, 2009, , 212-217. | 1.3 | 2 |
| 51 | Cross-layer user multiplexing algorithms evaluation in MIMO OFDM wireless systems. , 2007, , . | | 2 |
| 52 | Qos modeling for performance evaluation over evolved 3g networks. , 2007, , . | | 5 |
| 53 | Capacity with Probabilistic Delay Constraint for Rayleigh Channels. , 2007, , . | | 7 |
| 54 | Multiuser Capacity and Fairness Evaluation of Channel/QoS-Aware Multiplexing Algorithms. IEEE Network, 2007, 21, 24-30. | 6.9 | 13 |

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| 55 | Utility Based Adaptive Resource Allocation for Heterogeneous QoS Requirements. , 2006, , . | | 2 |
| 56 | Cellular Wireless Technologies. , 2006, , 13-49. | | 0 |
| 57 | Impact of Channel Estimation Error on Adaptive Modulation Performance in Flat Fading. IEEE Transactions on Communications, 2004, 52, 716-720. | 7.8 | 40 |
| 58 | Optimized interpolator filters for timing error correction in DMT systems for xDSL applications. IEEE Journal on Selected Areas in Communications, 2001, 19, 2477-2485. | 14.0 | 12 |
| 59 | Optimum discrete-power adaptive QAM scheme for Rayleigh fading channels. IEEE Communications Letters, 2001, 5, 281-283. | 4.1 | 14 |
| 60 | Variable rate DFE-QAM and OFDM systems for maximum capacity in multipath frequency selective fading channels. , 1999, , . | | 2 |
| 61 | Variable rate multitone system for multipath fading channels. Electronics Letters, 1998, 34, 1203. | 1.0 | 3 |