

# Mari Carmen Aguayo-Torres

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

596  
citations

933447

10  
h-index

794594

19  
g-index

61  
all docs

61  
docs citations

61  
times ranked

683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamental tradeoffs among reliability, latency and throughput in cellular networks. , 2014, , .		94
2	Capacity with Explicit Delay Guarantees for Generic Sources over Correlated Rayleigh Channel. IEEE Transactions on Wireless Communications, 2010, 9, 1901-1911.	9.2	55
3	Geolocation-Based Access for Vehicular Communications: Analysis and Optimization via Stochastic Geometry. IEEE Transactions on Vehicular Technology, 2018, 67, 3069-3084.	6.3	51
4	Impact of Channel Estimation Error on Adaptive Modulation Performance in Flat Fading. IEEE Transactions on Communications, 2004, 52, 716-720.	7.8	40
5	Wireless Underwater Communications. Wireless Personal Communications, 2012, 64, 547-560.	2.7	35
6	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
7	Downlink Performance of Optical OFDM in Outdoor Visible Light Communication. IEEE Access, 2018, 6, 76854-76866.	4.2	23
8	BER Analysis for Zero-Forcing SC-FDMA Over Nakagami-m Fading Channels. IEEE Transactions on Vehicular Technology, 2011, 60, 4077-4081.	6.3	21
9	Smart Cities via Data Aggregation. Wireless Personal Communications, 2014, 76, 149-168.	2.7	20
10	Link Adaptation Mechanisms Based on Logistic Regression Modeling. IEEE Communications Letters, 2019, 23, 942-945.	4.1	17
11	Optimum discrete-power adaptive QAM scheme for Rayleigh fading channels. IEEE Communications Letters, 2001, 5, 281-283.	4.1	14
12	Multiuser Capacity and Fairness Evaluation of Channel/QoS-Aware Multiplexing Algorithms. IEEE Network, 2007, 21, 24-30.	6.9	13
13	LTE Performance over High Speed Railway Channel. , 2013, , .		13
14	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
15	Performance of LTE in Vehicle-to-Vehicle Channels. , 2011, , .		12
16	Closed-Form BER Expression for Interleaved SC-FDMA with M-QAM. , 2009, , .		11
17	On finite state Markov chains for Rayleigh channel modeling. , 2009, , .		9
18	Capacity with Probabilistic Delay Constraint for Rayleigh Channels. , 2007, , .		7

#	ARTICLE	IF	CITATIONS
19	Spectral Efficiency of Interleaved SC-FDMA With Adaptive Modulation and Coding Over Nakagami- $m$ Fading Channels. IEEE Transactions on Vehicular Technology, 2013, 62, 3663-3670.	6.3	7
20	Link abstraction models for multicarrier systems: A logistic regression approach. International Journal of Communication Systems, 2018, 31, e3436.	2.5	7
21	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
22	BER analysis for SC-FDMA over Rayleigh fading channels. , 2011, , .		6
23	Emerging Tools for Link Adaptation on 5G NR and Beyond: Challenges and Opportunities. IEEE Access, 2021, 9, 126976-126987.	4.2	6
24	Qos modeling for performance evaluation over evolved 3g networks. , 2007, , .		5
25	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
26	Sum of Ratios of Complex Gaussian RVs and Its Application to a Simple OFDM Relay Network. , 2010, , .		4
27	Application of Student's $t$ and Behrens's "Fisher distributions to the analysis of enhanced noise after zero-forcing frequency domain equalisation. IET Communications, 2012, 6, 55.	2.2	4
28	Vehicular Channels: Characteristics, Models and Implications on Communication Systems Design. Wireless Personal Communications, 2019, 106, 237-260.	2.7	4
29	Variable rate multitone system for multipath fading channels. Electronics Letters, 1998, 34, 1203.	1.0	3
30	On the bivariate pearson type VII and its application to the BER analysis for SC-FDMA. , 2009, , .		3
31	Multiuser capacity for heterogeneous QoS constraints in uncorrelated Rayleigh channels. , 2009, , .		3
32	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
33	Joint Uplink/Downlink Coverage and Spectral Efficiency in Heterogeneous Cellular Network. Wireless Personal Communications, 2017, 95, 233-244.	2.7	3
34	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
35	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
36	Overview of LTE for Vehicular Communications. Wireless Personal Communications, 2020, 113, 1471-1494.	2.7	3

#	ARTICLE	IF	CITATIONS
37	Coordinated Multicast/Unicast Transmission on 5G: A Novel Approach for Linear Broadcasting. <i>Wireless Personal Communications</i> , 2021, 121, 1273-1287.	2.7	3
38	Variable rate DFE-QAM and OFDM systems for maximum capacity in multipath frequency selective fading channels. , 1999, , .		2
39	Utility Based Adaptive Resource Allocation for Heterogeneous QoS Requirements. , 2006, , .		2
40	Cross-layer user multiplexing algorithms evaluation in MIMO OFDM wireless systems. , 2007, , .		2
41	SC-FDMA performance over Ricean channel. , 2011, , .		2
42	LTE performance in the airport surface area channel. , 2011, , .		2
43	Link level performance of Single Carrier Frequency Division Multiple Access (SC-FDMA) for Land Mobile Satellite (LMS) channel. , 2012, , .		2
44	Analysis and evaluation of Cooperative Multi-Point transmission/reception and soft handover for LTE-Advanced. , 2012, , .		2
45	A Framework for Testing of Wireless Underwater Robots. <i>Wireless Personal Communications</i> , 2013, 70, 1171-1181.	2.7	2
46	Performance of SIMO MRC SC-FDMA over shadowed Rice Land Mobile Satellite channel. , 2013, , .		2
47	Performance evaluation of cooperation-based techniques for M2M traffic over LTE. , 2013, , .		2
48	Fairness and Rate Coverage of Symmetric Transmission over Heterogeneous Cellular Networks under Diverse Coupling and Association Criteria. <i>Wireless Personal Communications</i> , 2017, 95, 101-125.	2.7	2
49	Impact of Front-Haul Delays in Non-ideal Cloud Radio Access Networks. <i>Wireless Personal Communications</i> , 2019, 106, 2005-2022.	2.7	2
50	Analysis of Coverage and Binary Rate in a Hybrid/Full Duplex Heterogeneous Cellular Network under Various Association Criteria. <i>Wireless Personal Communications</i> , 2019, 106, 2211-2224.	2.7	2
51	A Real-Time End-to-End Testbed for Evaluating the Performance of Multimedia Services. <i>Lecture Notes in Computer Science</i> , 2009, , 212-217.	1.3	2
52	Analysis of Delay Constrained Communications over OFDM Systems. , 2009, , .		1
53	Role of Convergence in GIMCV Development: A Vision. <i>Wireless Personal Communications</i> , 2009, 49, 321-334.	2.7	1
54	Capacity with Probabilistic Delay Constraint for Voice Traffic in a Rayleigh Channel. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
55	Advancing Radio Testing Methodology via Formal Notations. <i>Wireless Personal Communications</i> , 2010, 53, 409-429.	2.7	1
56	Users, Economics, Technology: Unavoidable Interdynamics. <i>Wireless Personal Communications</i> , 2010, 53, 437-442.	2.7	1
57	Analysis of SC-FDMA spectral efficiency over Rayleigh fading channels. , 2010, , .		1
58	A Framework to Evaluate Fairness in Fractional Frequency Reuse Based Cellular Networks. <i>Wireless Personal Communications</i> , 2017, 95, 287-297.	2.7	1
59	Cellular Wireless Technologies. , 2006, , 13-49.		0
60	BER analysis for OFDM with ZF-FDE in Nakagami-m fading channels. , 2010, , .		0
61	Equal gain combining (EGC) SC-FDMA performance over Land Mobile Satellite (LMS) Rice fading channel. , 2012, , .		0