

# Amine Maaref

## List of Publications by Year in descending order

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39  
papers

964  
citations

516710

16  
h-index

526287

27  
g-index

39  
all docs

39  
docs citations

39  
times ranked

754  
citing authors

#	ARTICLE	IF	CITATIONS
1	Closed-Form Expressions for the Outage and Ergodic Shannon Capacity of MIMO MRC Systems. IEEE Transactions on Communications, 2005, 53, 1092-1095.	7.8	162
2	Adaptive Soft Frequency Reuse for Inter-Cell Interference Coordination in SC-FDMA Based 3GPP LTE Uplinks. , 2008, , .		113
3	Performance analysis of orthogonal space-time block codes in spatially correlated MIMO Nakagami fading channels. IEEE Transactions on Wireless Communications, 2006, 5, 807-817.	9.2	65
4	Capacity of space-time block codes in MIMO Rayleigh fading channels with adaptive transmission and estimation errors. IEEE Transactions on Wireless Communications, 2005, 4, 2568-2578.	9.2	63
5	Design of SCMA Codebooks Based on Golden Angle Modulation. IEEE Transactions on Vehicular Technology, 2019, 68, 1501-1509.	6.3	54
6	A Framework for Co-Channel Interference and Collision Probability Tradeoff in LTE Licensed-Assisted Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 6078-6090.	9.2	51
7	Exact error probability analysis of rectangular QAM for single- and multichannel reception in nakagami-m fading channels. IEEE Transactions on Communications, 2009, 57, 214-221.	7.8	41
8	Eigenvalue Distributions of Wishart-Type Random Matrices with Application to the Performance Analysis of MIMO MRC Systems. IEEE Transactions on Wireless Communications, 2007, 6, 2678-2689.	9.2	39
9	Device-centric radio access virtualization for 5G networks. , 2014, , .		36
10	An Error Rate Comparison of Power Domain Non-Orthogonal Multiple Access and Sparse Code Multiple Access. IEEE Open Journal of the Communications Society, 2021, 2, 500-511.	6.9	36
11	Joint and Marginal Eigenvalue Distributions of (Non)Central Complex Wishart Matrices and PDF-Based Approach for Characterizing the Capacity Statistics of MIMO Rician and Rayleigh Fading Channels. IEEE Transactions on Wireless Communications, 2007, 6, 3607-3619.	9.2	32
12	Symbol Error Probability Analysis for Multihop Relaying over Nakagami Fading Channels. , 2010, , .		30
13	Shannon capacity of STBC in Rayleigh fading channels. Electronics Letters, 2004, 40, 817.	1.0	20
14	Capacity of MIMO Rician fading channels with transmitter and receiver channel state information. IEEE Transactions on Wireless Communications, 2008, 7, 1687-1698.	9.2	18
15	Spatial Reuse for Coexisting LTE and Wi-Fi Systems in Unlicensed Spectrum. IEEE Transactions on Wireless Communications, 2018, 17, 1187-1198.	9.2	18
16	Impact of Spatial Fading Correlation and Keyhole on the Capacity of MIMO Systems with Transmitter and Receiver CSI. IEEE Transactions on Wireless Communications, 2008, 7, 3218-3229.	9.2	17
17	Optimized rate-adaptive PSAM for MIMO MRC systems with transmit and receive CSI imperfections. IEEE Transactions on Communications, 2009, 57, 821-830.	7.8	17
18	Spatial-Frequency Signal Alignment for Opportunistic Transmission. IEEE Transactions on Signal Processing, 2014, 62, 1561-1575.	5.3	17

#	ARTICLE	IF	CITATIONS
19	Opportunistic transmission exploiting frequency - and spatial-domain degrees of freedom. IEEE Wireless Communications, 2014, 21, 91-97.	9.0	16
20	Sub-Graph Based Joint Sparse Graph for Sparse Code Multiple Access Systems. IEEE Access, 2018, 6, 25066-25080.	4.2	13
21	Impact of Mobility on the Behavior of Interference in Cellular Wireless Networks. , 2008, , .		11
22	Exact Error Probability Analysis of Orthogonal Space-Time Block Codes with Arbitrary Rectangular QAM over MIMO Nakagami-m Fading Channels. , 2007, , .		10
23	Multiantenna Analog Network Coding for Multihop Wireless Networks. International Journal of Digital Multimedia Broadcasting, 2010, 2010, 1-10.	0.6	10
24	The Gamma Variate with Random Shape Parameter and Some Applications. IEEE Communications Letters, 2010, 14, 1146-1148.	4.1	8
25	Secure Transmission With Interleaver for Uplink Sparse Code Multiple Access System. IEEE Wireless Communications Letters, 2019, 8, 336-339.	5.0	8
26	Eigenvalue Distributions of Wishart-Type Random Matrices and Error Probability Analysis of Dual Maximum-Ratio Transmission in Semicorrelated Rayleigh Fading. , 2006, , .		7
27	Device cooperation-assisted scalable video multicast with heterogeneous QoE guarantees. , 2014, , .		7
28	Unequal Error Protection SCMA Codebooks. IEEE Transactions on Vehicular Technology, 2019, 68, 4055-4058.	6.3	7
29	On the Capacity Statistics of MIMO Ricean and Rayleigh Fading Channels. , 2006, , .		6
30	Opportunistic Cell Edge Selection in Multi-Cell OFDMA Networks. , 2009, , .		6
31	Codeword Position Index Based Sparse Code Multiple Access System. IEEE Wireless Communications Letters, 2019, 8, 737-740.	5.0	6
32	An Improved EPA-Based Receiver Design for Uplink LDPC Coded SCMA System. IEEE Wireless Communications Letters, 2022, 11, 947-951.	5.0	6
33	On the Performance of HARQ Protocols With Blanking in NOMA Systems. IEEE Transactions on Wireless Communications, 2020, 19, 7423-7438.	9.2	5
34	Uplink packet scheduling in the presence of interference cancellation in multi-rate wireless CDMA networks. Wireless Communications and Mobile Computing, 2003, 3, 861-878.	1.2	3
35	Nullspace Releasing for Spatial-Frequency Opportunistic Transmission. IEEE Communications Letters, 2014, 18, 1843-1846.	4.1	3
36	Cooperative capacity-achieving precoding design for multi-user VFDM transmission. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
37	Cross-layer design for MIMO systems over spatially correlated and keyhole Nakagami- $m$ fading channels. <i>Wireless Communications and Mobile Computing</i> , 2010, 10, 1055-1067.	1.2	1
38	WLC31-2: Capacity of MIMO Rician Fading Channels with Transmitter and Receiver Channel State Information. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006, , .	0.0	0
39	Comparison of analog and digital network coding approaches for bidirectional relaying with private messages to the relay. , 2011, , .		0