

# Youssef Nasser

## List of Publications by Year in descending order

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109  
papers

1,550  
citations

759233

12  
h-index

377865

34  
g-index

111  
all docs

111  
docs citations

111  
times ranked

1907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Analysis of Relayed D2D Communications under Power Control. , 2020, , .		1
2	EVM Closed-Form Expression for OFDM Signals With Tone Reservation-Based PAPR Reduction. IEEE Transactions on Wireless Communications, 2020, 19, 2352-2366.	9.2	17
3	On the coexistence of broadcast and unicast in hybrid networks for the transmission of video services using stochastic geometry. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	2
4	Global Optimal Resource Allocation for Efficient FD-D2D Enabled Cellular Network. IEEE Access, 2019, 7, 59690-59707.	4.2	18
5	Analysis of Hybrid Broadcast/Broadband Networks With Multiple Broadcasting Stations. IEEE Access, 2019, 7, 141226-141240.	4.2	4
6	Ergodic capacity analysis and transmission power optimization in D2D underlaying cellular communication. Physical Communication, 2019, 34, 144-156.	2.1	2
7	ELASTIC- Enabling Massive-Antenna for Joint Spectrum Sensing and Sharing: How Many Antennas Do We Need?. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 267-280.	7.9	5
8	Game-Theoretic Based Power Allocation for a Full Duplex D2D Network. , 2019, , .		0
9	A Survey of Limitations and Enhancements of the IPv6 Routing Protocol for Low-Power and Lossy Networks: A Focus on Core Operations. IEEE Communications Surveys and Tutorials, 2019, 21, 1607-1635.	39.4	92
10	Wireless Body Area Network (WBAN). ACM Computing Surveys, 2018, 50, 1-38.	23.0	138
11	Spectral Overlap Optimization for DVB-T2 and LTE Coexistence. IEEE Transactions on Broadcasting, 2018, 64, 70-84.	3.2	11
12	Reliability and Energy Efficiency Enhancement for Emergency-Aware Wireless Body Area Networks (WBANs). IEEE Transactions on Green Communications and Networking, 2018, 2, 804-816.	5.5	47
13	Quasi-Optimal Tone Reservation PAPR Reduction Algorithm for Next Generation Broadcasting Systems: A Performance/Complexity/Latency Tradeoff With Testbed Implementation. IEEE Transactions on Broadcasting, 2018, 64, 883-899.	3.2	22
14	Closed Form Expressions for the Probability Density Function of the Interference Power in PPP Networks. , 2018, , .		8
15	Analytical Study of the Probability of Coverage in Hybrid Broadcast-Unicast Networks. , 2018, , .		3
16	Geometric Approach in Simultaneous Context Inference, Localization and Mapping using mm-Wave. , 2018, , .		3
17	Gain Enhancement of Antenna Arrays with Beamsteering. , 2018, , .		3
18	A Novel Statistical Model of OFDM Signals with Optimal Tone Reservation PAPR Reduction for EVM Theoretical Analysis. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	MOSAIC: Simultaneous Localization and Environment Mapping Using mmWave Without A-Priori Knowledge. IEEE Access, 2018, 6, 68932-68947.	4.2	42
20	Full-Duplex or Half-Duplex D2D Mode? Closed Form Expression of the Optimal Power Allocation. , 2018, , .		9
21	Frequency Estimation of Multiple Components using Chinese Remainder Theorem. , 2018, , .		3
22	Power Efficiency of the Hybrid Broadcast Unicast Network with Suitable Resource Allocation. , 2018, , .		2
23	3D Localization and Mapping using mm-Wave: What are the Opportunities in Vehicular and Indoor Environments?. , 2018, , .		1
24	Coordinated multipoint in dense heterogeneous networks with overlapping microcell expanded regions and its effect on backhaul links. Physical Communication, 2018, 29, 230-244.	2.1	2
25	A Novel Adaptive and Efficient Routing Update Scheme for Low-Power Lossy Networks in IoT. IEEE Internet of Things Journal, 2018, 5, 5177-5189.	8.7	17
26	Approximating the standard condition number for cognitive radio spectrum sensing with finite number of sensors. IET Signal Processing, 2017, 11, 145-154.	1.5	4
27	VANET Aided D2D Discovery: Delay Analysis and Performance. IEEE Transactions on Vehicular Technology, 2017, 66, 8059-8071.	6.3	31
28	Recent Advances in Indoor Localization: A Survey on Theoretical Approaches and Applications. IEEE Communications Surveys and Tutorials, 2017, 19, 1327-1346.	39.4	638
29	A low latency algorithm for efficient PAPR reduction for DVB-T2 and ATSC 3.0 broadcast. , 2017, , .		5
30	Drizzle: Adaptive and fair route maintenance algorithm for Low-power and Lossy Networks in IoT. , 2017, , .		9
31	New dynamic, reliable and energy efficient scheduling for wireless body area networks (WBAN). , 2017, , .		19
32	Dynamic SDN controllers-switches mapping for load balancing and controller failure handling. , 2017, , .		8
33	Mobile TV directed resource allocation scheme for LTE networks. , 2017, , .		2
34	An approximation for the distribution of the peak-to-average power ratio in carrier-aggregated OFDM signals using level crossing rate analysis. , 2017, , .		3
35	Near optimal linear-service oriented resource allocation strategy for LTE networks. , 2017, , .		3
36	On the ergodic capacity in multicarrier cognitive radio systems under power constraints. , 2017, , .		0

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37	A cooperative and roadside unit-aided localization scheme for vehicular ad hoc networks. , 2017, , .		2
38	Tactile localization in mm-WAVE systems: Channel measurements requirements, challenges and opportunities. , 2017, , .		1
39	Advances in DOA Estimation and Source Localization. International Journal of Antennas and Propagation, 2017, 2017, 1-3.	1.2	5
40	Simultaneous context inference and mapping using mm-Wave for indoor scenarios. , 2017, , .		4
41	Recent Advances on Radio-Frequency Design in Cognitive Radio. International Journal of Antennas and Propagation, 2016, 2016, 1-16.	1.2	5
42	On the detection probability of the standard condition number detector in finite-dimensional cognitive radio context. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	2
43	Outage performance of opportunistic AF OFDM relaying over Rician fading channel. , 2016, , .		2
44	On the capacity optimization of D2D underlying cellular communications. , 2016, , .		3
45	On the performance evaluation of MIMO-SCMA systems. , 2016, , .		16
46	An SDR platform using direction finding and statistical analysis for the detection of interferers. , 2016, , .		4
47	Capacity maximization in HetNets with Reverse TDD scheme. , 2016, , .		0
48	A closed-form outage probability of opportunistic AF OFDMA relaying over Rician fading channel. , 2016, , .		3
49	FREDDY: A framework for VANET aided D2D discovery. , 2016, , .		4
50	Analysis of outage performance of opportunistic AF OFDM relaying in Nakagami-m channels. , 2016, , .		4
51	Involving already deployed RNs in joint processing coordinated multipoint. , 2016, , .		1
52	A Simple Formulation for the Distribution of the Scaled Largest Eigenvalue and Application to Spectrum Sensing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 284-293.	0.3	2
53	Simple and Accurate Closed-Form Approximation of the Standard Condition Number Distribution with Application in Spectrum Sensing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 351-362.	0.3	10
54	DISCUE: Distributed caching framework at the user equipment (UE) in LTE networks. , 2015, , .		0

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55	Are side-band tones beneficial for PAPR reduction in FBMC?. , 2015, , .		3
56	A simplified hard output sphere decoder for large MIMO systems with the use of efficient search center and reduced domain neighborhood study. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	1
57	Mobile relay node in public transportation for serving outside LTE cell edge users. , 2015, , .		2
58	K-best branch and bound technique for the MINLP resource allocation in multi-user OFDM systems. , 2015, , .		2
59	Recent advances on artificial intelligence and learning techniques in cognitive radio networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	89
60	A multi-band-reconfigurable antenna using split-ring resonators. , 2015, , .		1
61	Tone Reservation Based PAPR Reduction Technique with Individual Carrier Power Allocation for Multiple Peaks Reduction. , 2015, , .		10
62	Power control optimization for tone reservation based PAPR reduction algorithms. , 2014, , .		4
63	Closed-form expression of the ergodic capacity in a cognitive radio link under power constraints. , 2014, , .		2
64	On the performance evaluation of Eigenvalue-based spectrum sensing detector for MIMO systems. , 2014, , .		7
65	Ergodic capacity optimization in coexisting DVB-LTE-like systems. , 2014, , .		6
66	Hybrid positioning data fusion in heterogeneous networks with critical hearability. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	8
67	Blind spectrum sensing using symmetry property of cyclic autocorrelation function: from theory to practice. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	19
68	On the coherent precoding performance for downlink CoMP-MIMO networks. , 2014, , .		2
69	On the evaluation of geometric localization using Recursive Maximum Likelihood estimation. , 2014, , .		2
70	Effect of RF impairments on spectrum sensing techniques. , 2014, , .		1
71	Global Ergodic Capacity Closed-Form Expression of Coexisting DVB-LTE-Like Systems. , 2014, , .		10
72	Design of interleaved sequences for joint channel estimation and PAPR reduction. , 2013, , .		0

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73	On the hybrid localization in heterogeneous networks with lack of hearability. , 2013, , .		5
74	A high gain antenna with a single-layer metamaterial superstrate. , 2013, , .		5
75	Wavelet denoising in cooperative and NonCooperative spectrum sensing. , 2013, , .		3
76	New digital block implementation algorithm for MIMO channel hardware simulator. , 2013, , .		0
77	Performance analysis of heterogeneous networks based on SINR selection strategy. , 2013, , .		2
78	Effect of mobility on the performance of Amplify-and-Forward cooperation in SC-FDMA systems. , 2012, , .		0
79	Enhanced mobile digital video broadcasting with distributed space-time coding. , 2012, , .		3
80	Lattice Reduction-aided Minimum Mean Square Error K-Best detection for MIMO systems. , 2012, , .		7
81	Location aided carrier frequency offset estimation for uplink OFDMA systems. , 2012, , .		0
82	SINR based network selection strategy in integrated heterogeneous networks. , 2012, , .		9
83	Layered space-time block code for hybrid satellite-terrestrial broadcasting systems. International Journal of Satellite Communications and Networking, 2012, 30, 113-129.	1.8	5
84	PAPR Reduction Approach Based on Channel Estimation Pilots for Next Generations Broadcasting Systems. International Journal of Digital Multimedia Broadcasting, 2011, 2011, 1-17.	0.6	4
85	Impact of mobility on the performance of dynamic cooperative communications in SC-FDMA systems. , 2011, , .		4
86	Algebraic hybrid satellite-terrestrial space-time codes for digital broadcasting in SFN. , 2011, , .		3
87	Optimization of the Number of Signaling Links in Intelligent Large-Scale Networks. Lecture Notes in Computer Science, 2011, , 116-125.	1.3	1
88	On the system level prediction of joint time frequency spreading systems with carrier phase noise. IEEE Transactions on Communications, 2010, 58, 839-850.	7.8	6
89	PAPR reduction technique using pilot symbols for OFDM systems. European Transactions on Telecommunications, 2010, 21, 435-442.	1.2	5
90	Performance analysis of repetition-based decode-and-forward relaying over asymmetric fading channels. , 2010, , .		14

#	ARTICLE	IF	CITATIONS
91	Power Spectral Analysis of Orthogonal Pulse-Based TH-UWB Signals. , 2010, , .		3
92	Geo-location aided cooperative communications. , 2010, , .		0
93	A novel combined PAPR reduction and channel estimation approach for OFDM systems. , 2010, , .		6
94	Positioning information based technique in cooperative MIMO-OFDM systems. , 2009, , .		2
95	Double Layer Space-Time Block Code for Hybrid Satellite-Terrestrial Broadcasting Systems. , 2009, , .		4
96	Coded BER Based Algorithm for Decode and Forward in Cooperative OFDM Systems. , 2009, , .		1
97	Efficient Space Code Block Code MIMO Channel Estimation for Future Mobile Video Broadcasting. , 2009, , .		0
98	A Joint Channel and Carrier Frequency Offset Estimation Based on Spread Pilot for Future Broadcasting Systems. Lecture Notes in Electrical Engineering, 2009, , 153-161.	0.4	1
99	On the influence of carrier frequency offset and sampling frequency offset in MIMO-OFDM systems for future digital TV. , 2008, , .		1
100	A novel channel estimation based on spread pilots for terrestrial digital video broadcasting. , 2008, , .		2
101	Efficient 3D space time space block code for future terrestrial digital TV. , 2008, , .		1
102	2D linear precoded OFDM for future mobile digital video broadcasting. , 2008, , .		3
103	Efficient MIMO-OFDM Schemes for Future Terrestrial Digital TV with Unequal Received Powers. , 2008, , .		8
104	Bit error rate prediction of coded MIMO-OFDM systems. , 2008, , .		4
105	Sensitivity of Multicarrier Two-Dimensional Spreading Schemes to Synchronization Errors. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, .	2.4	2
106	3D MIMO scheme for broadcasting future digital TV in single-frequency networks. Electronics Letters, 2008, 44, 829.	1.0	11
107	Robustness of MIMO-OFDM schemes for future digital TV to carrier frequency offset. , 2008, , .		1
108	Sensitivity of OFDM-CDMA Systems to Carrier Frequency Offset. , 2006, , .		9

#	ARTICLE	IF	CITATIONS
109	Sensitivity of Multi Carrier 2 Dimensional Spreading Systems to Carrier Phase Noise. , 2006, , .		0