Khaled Maaiuf Rabie

List of Publications by Year
in descending order

135 papers	2,751 citations	279701 23 h-index	276775 41 g-index
135 all docs	135 docs citations	135 times ranked	2333 citing authors

#	Article	IF	Citations
1	Outage Analysis for Tag Selection in Reciprocal Backscatter Communication Systems. IEEE Wireless Communications Letters, 2022, 11, 210-214.	3.2	3
2	DFT Spread-Optical Pulse Amplitude Modulation for Visible Light Communication Systems. IEEE Access, 2022, 10, 15956-15967.	2.6	3
3	Performance Analysis of Massive MIMO-OFDM System Incorporated with Various Transforms for Image Communication in 5G Systems. Electronics (Switzerland), 2022, 11, 621.	1.8	15
4	Efficient iterative massive MIMO detection using Chebyshev acceleration. Physical Communication, 2022, 52, 101651.	1.2	4
5	A Cost-Effective Identity-Based Signature Scheme for Vehicular Ad Hoc Network Using Hyperelliptic Curve Cryptography. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	0.8	1
6	Reinforcement Learning-Based Resource Allocation for M2M Communications over Cellular Networks. , 2022, , .		0
7	Performance Analysis of Dual-Hop Hybrid RF-UOWC NOMA Systems. Sensors, 2022, 22, 4521.	2.1	7
8	LSTM-Based Distributed Conditional Generative Adversarial Network for Data-Driven 5G-Enabled Maritime UAV Communications. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-16.	4.7	9
9	Toward Physical-Layer Security for Internet of Vehicles: Interference-Aware Modeling. IEEE Internet of Things Journal, 2021, 8, 443-457.	5.5	28
10	Efficient Hybrid Beamforming Design in mmWave Massive MU-MIMO DF Relay Systems With the Mixed-Structure. IEEE Access, 2021, 9, 66141-66153.	2.6	8
11	Performance of NOMA-Enabled Cognitive Satellite-Terrestrial Networks With Non-Ideal System Limitations. IEEE Access, 2021, 9, 35932-35946.	2.6	18
12	Cognitive Non-ideal NOMA Satellite-Terrestrial Networks with Channel and Hardware Imperfections. , 2021, , .		4
13	Massive MIMO systems for 5G: A systematic mapping study on antenna design challenges and channel estimation open issues. IET Communications, 2021, 15, 1677-1690.	1.5	23
14	EE Optimization for Downlink NOMA-Based Multi-Tier CRANs. IEEE Transactions on Vehicular Technology, 2021, 70, 5880-5891.	3.9	6
15	Communication systems of high‑speed railway: A survey. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4189.	2.6	17
16	A Low-Complexity Soft-Output Signal Data Detection Algorithm for UL Massive MIMO Systems. , 2021, , .		3
17	Underlay Hybrid Satellite-Terrestrial Relay Networks under Realistic Hardware and Channel Conditions. , 2021, , .		1
18	Ergodic Capacity of Cognitive Satellite-Terrestrial Relay Networks with Practical Limitations. , 2021, , .		1

#	Article	IF	Citations
19	Power allocation scheme for maximizing spectral efficiency and energy efficiency tradeoff for uplink NOMA systems in B5G/6G. Physical Communication, 2020, 43, 101227.	1.2	22
20	Near-Optimal Design for Hybrid Beamforming in mmWave Massive Multi-User MIMO Systems. IEEE Access, 2020, 8, 129153-129168.	2.6	17
21	Optimization of Time Synchronization and Algorithms with TDOA Based Indoor Positioning Technique for Internet of Things. Sensors, 2020, 20, 6513.	2.1	17
22	Joint Full-Duplex and Roadside Unit Selection for NOMA-Enabled V2X Communications: Ergodic Rate Performance. IEEE Access, 2020, 8, 140348-140360.	2.6	16
23	Joint Impacts of Imperfect CSI and Imperfect SIC in Cognitive Radio-Assisted NOMA-V2X Communications. IEEE Access, 2020, 8, 128629-128645.	2.6	63
24	Performance Analysis of Cooperative and Non-Cooperative Relaying over VLC Channels. Sensors, 2020, 20, 3660.	2.1	13
25	Reconfigurable Intelligent Surface Enabled IoT Networks in Generalized Fading Channels. , 2020, , .		33
26	Throughput Analysis of Multipair Two-Way Replaying Networks With NOMA and Imperfect CSI. IEEE Access, 2020, 8, 128942-128953.	2.6	25
27	Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure. IEEE Transactions on Vehicular Technology, 2020, 69, 13482-13496.	3.9	19
28	UAV Relaying Enabled NOMA Network With Hybrid Duplexing and Multiple Antennas. IEEE Access, 2020, 8, 186993-187007.	2.6	33
29	Implementation-Friendly and Energy-Efficient Symbol-by-Symbol Detection Scheme for IEEE 802.15.4 O-QPSK Receivers. IEEE Access, 2020, 8, 158402-158415.	2.6	12
30	A Novel AI-enabled Framework to Diagnose Coronavirus COVID-19 using Smartphone Embedded Sensors: Design Study. , 2020, , .		181
31	Achievable Physical-Layer Security Over Composite Fading Channels. IEEE Access, 2020, 8, 195772-195787.	2.6	20
32	Experimental Results on the Mitigation of Turbulence in Free Space Optics using Spatial Diversity. , 2020, , .		2
33	Hardware- and Interference-Limited Cognitive IoT Relaying NOMA Networks With Imperfect SIC Over Generalized Non-Homogeneous Fading Channels. IEEE Access, 2020, 8, 72942-72956.	2.6	36
34	A New Framework Combining Local-Region Division and Feature Selection for Micro-Expressions Recognition. IEEE Access, 2020, 8, 94499-94509.	2.6	5
35	Average Secrecy Capacity of SIMO k-Î¼ Shadowed Fading Channels with Multiple Eavesdroppers. , 2020, , .		3
36	Channel Modeling for Overhead Line Equipment for Train Communication. , 2020, , .		2

#	Article	IF	Citations
37	Physical Layer Security of Cooperative NOMA for IoT Networks Under I/Q Imbalance. IEEE Access, 2020, 8, 51189-51199.	2.6	38
38	Physical Layer Security in Vehicular Networks with Reconfigurable Intelligent Surfaces. , 2020, , .		69
39	A Unified Framework for HS-UAV NOMA Networks: Performance Analysis and Location Optimization. IEEE Access, 2020, 8, 13329-13340.	2.6	58
40	Interference Analysis for Vehicle-to-Vehicle Communications at 28 GHz. Electronics (Switzerland), 2020, 9, 262.	1.8	16
41	I/Q Imbalance and Imperfect SIC on Two-Way Relay NOMA Systems. Electronics (Switzerland), 2020, 9, 249.	1.8	10
42	Optimisation of indoor hybrid PLC/VLC/RF communication systems. IET Communications, 2020, 14, 117-126.	1.5	12
43	Smart Handoff Technique for Internet of Vehicles Communication using Dynamic Edge-Backup Node. Electronics (Switzerland), 2020, 9, 524.	1.8	19
44	Deep Learning-Based Secure MIMO Communications with Imperfect CSI for Heterogeneous Networks. Sensors, 2020, 20, 1730.	2.1	7
45	Underlay CR-NOMA Relaying Networks over Non-Homogeneous Generalized Fading Channels. , 2020, , .		2
46	Physical Layer Security in RIS-assisted Networks in Fisher-Snedecor Composite Fading. , 2020, , .		18
47	On the Construction of Polar Codes in the Middleton Class-A Channels. , 2020, , .		2
48	Performance Analysis of SWIPT Networks over Composite Fading Channels. , 2020, , .		4
49	Impulsive Noise Modeling and Cancellation Strategies Over Power Line Channels. Lecture Notes in Electrical Engineering, 2019, , 163-175.	0.3	2
50	Enhanced Nonlinear Companding Scheme for Reducing PAPR of OFDM Systems. IEEE Systems Journal, 2019, 13, 65-75.	2.9	26
51	Smart Wireless Power Transmission System for Autonomous EV Charging. IEEE Access, 2019, 7, 112240-112248.	2.6	34
52	Secrecy Performance Analysis of SIMO Systems Over Correlated $kappa$ $â€“$mu$ Shadowed Fading Channels. IEEE Access, 2019, 7, 86090-86101.	2.6	24
53	Secure analysis of multiâ€antenna cooperative networks with residual transceiver HIs and CEEs. IET Communications, 2019, 13, 2649-2659.	1.5	15
54	Security and Reliability Performance Analysis of Cooperative Multi-Relay Systems With Nonlinear Energy Harvesters and Hardware Impairments. IEEE Access, 2019, 7, 102644-102661.	2.6	41

#	Article	IF	Citations
55	Joint Effects of Residual Hardware Impairments and Channel Estimation Errors on SWIPT Assisted Cooperative NOMA Networks. IEEE Access, 2019, 7, 135499-135513.	2.6	36
56	IEEE Access Special Section Editorial: Advances in Power Line Communication and its Applications. IEEE Access, 2019, 7, 133371-133374.	2.6	4
57	Mapping Design for 2^{M} -Ary Bit-Interleaved Polar Coded Modulation. IEEE Access, 2019, 7, 116774-116784.	2.6	3
58	An Efficient Resource Allocation Algorithm for Device-To-Device Communications. Applied Sciences (Switzerland), 2019, 9, 3816.	1.3	8
59	Energy-per-bit performance analysis of relay-based visible-light communication systems. Physical Communication, 2019, 35, 100699.	1.2	3
60	Security Analysis of Multi-Antenna NOMA Networks Under I/Q Imbalance. Electronics (Switzerland), 2019, 8, 1327.	1.8	15
61	Physical Layer Security in Vehicular Communication Networks in the Presence of Interference. , 2019, , .		10
62	Wireless Powered Cognitive Cooperative Networks: Outage Performance. , 2019, , .		2
63	On the Reliability of Decode-and-Forward Two-Relay Diversity-enabled NOMA Networks. , 2019, , .		1
64	OFDM Systems Design Using Harmonic Wavelets. , 2019, , .		1
65	Full-Duplex Energy-Harvesting Enabled Relay Networks in Generalized Fading Channels. IEEE Wireless Communications Letters, 2019, 8, 384-387.	3.2	22
66	Low-Power Wide Area Network Technologies for Internet-of-Things: A Comparative Review. IEEE Internet of Things Journal, 2019, 6, 2225-2240.	5.5	206
67	A New Approach to Peak Threshold Estimation for Impulsive Noise Reduction Over Power Line Fading Channels. IEEE Systems Journal, 2019, 13, 1682-1693.	2.9	19
68	EMC Measurements in Indoor Power Line Communication Environments. Lecture Notes in Electrical Engineering, 2019, , 189-200.	0.3	3
69	Root-Based Nonlinear Companding Technique for Reducing PAPR of Precoded OFDM Signals. IEEE Access, 2018, 6, 4618-4629.	2.6	30
70	Energy-Per-Bit Performance Analysis of Relay-Assisted Power Line Communication Systems. IEEE Transactions on Green Communications and Networking, 2018, 2, 360-368.	3.5	19
71	Two-Stage Non-Orthogonal Multiple Access Over Power Line Communication Channels. IEEE Access, 2018, 6, 17368-17376.	2.6	23
72	Masreliez-Equalized VOFDM in Non-Gaussian Channels: Power Line Communication Systems. IEEE Systems Journal, 2018, 12, 2803-2811.	2.9	14

#	Article	IF	Citations
73	For More Energy-Efficient Dual-Hop DF Relaying Power-Line Communication Systems. IEEE Systems Journal, 2018, 12, 2005-2016.	2.9	35
74	Vector OFDM Transmission Over Non-Gaussian Power Line Communication Channels. IEEE Systems Journal, 2018, 12, 2344-2352.	2.9	17
75	On the Performance of DF-based Power-Line/Visible-Light Communication Systems. , 2018, , .		8
76	Outage Probability of the EH-Based Full-Duplex AF and DF Relaying Systems in $alpha-mu$ Environment. , 2018, , .		17
77	On the Secrecy Capacity of Fisher-Snedecor F Fading Channels. , 2018, , .		18
78	Wireless Power and Communication Transmission for Industrial Robots. , 2018, , .		4
79	Performance Analysis of Integrated Power-Line&#x002F;Visible-Light Communication Systems with AF Relaying. , 2018, , .		12
80	The Nâ—Fisher-Snedecor F Cascaded Fading Model. , 2018, , .		10
81	Hybrid Power-Line/Wireless Communication Systems For Indoor Applications. , 2018, , .		23
82	On the Concatenations of Polar Codes and Non-Binary LDPC Codes. IEEE Access, 2018, 6, 65088-65097.	2.6	4
83	Disguised executable files in spear-phishing emails. , 2018, , .		17
84	Analysis of Optimized Threshold with SLM based Blanking Non-Linearity for Impulsive Noise Reduction in Power Line Communication Systems. , 2018, , .		2
85	PAPR reduction of wavelet-OFDM systems using pilot symbols. , 2018, , .		9
86	On the Performance Analysis of WPT-Based Dual-Hop AF Relaying Networks in <inline-formula> <tex-math notation="LaTeX">$alpha$ </tex-math> </inline-formula>-<inline-formula> <tex-math notation="LaTeX">mu </tex-math> </inline-formula> Fading. IEEE Access, 2018, 6, 37138-37149.	2.6	22
87	Optimization of Impulsive Noise Mitigation Scheme for PAPR Reduced OFDM Signals over Powerline Channels. , 2018, , .		2
88	Detection of advanced persistent threat using machine-learning correlation analysis. Future Generation Computer Systems, 2018, 89, 349-359.	4.9	181
89	More robust decode-and-forward relaying over impulsive noise power line channels. , 2017, , .		1
90	Energy-Efficient Vector OFDM PLC Systems With Dynamic Peak-Based Threshold Estimation. IEEE Access, 2017, 5, 10723-10733.	2.6	12

#	Article	IF	Citations
91	A Comparison Between Orthogonal and Non-Orthogonal Multiple Access in Cooperative Relaying Power Line Communication Systems. IEEE Access, 2017, 5, 10118-10129.	2.6	56
92	Enhanced Amplify-and-Forward Relaying in Non-Gaussian PLC Networks. IEEE Access, 2017, 5, 4087-4094.	2.6	29
93	Half-Duplex and Full-Duplex AF and DF Relaying With Energy-Harvesting in Log-Normal Fading. IEEE Transactions on Green Communications and Networking, 2017, 1, 468-480.	3.5	69
94	On Companding and Optimization of OFDM Signals for Mitigating Impulsive Noise in Power-Line Communication Systems. IEEE Access, 2017, 5, 21818-21830.	2.6	17
95	Performance evaluation of multi-hop relaying over non-gaussian PLC channels. Journal of Communications and Networks, 2017, 19, 531-538.	1.8	14
96	Outage probability and energy efficiency of DF relaying power line communication networks: Cooperative and non-cooperative. , 2017, , .		12
97	Ergodic Capacity Analysis of Wireless Powered AF Relaying Systems over alpha-µ Fading Channels. , 2017, , .		10
98	Improving the Reliability of Optimised Link State Routing in a Smart Grid Neighbour Area Network based Wireless Mesh Network Using Multiple Metrics. Energies, 2017, 10, 287.	1.6	24
99	Bi-Directional Coordination of Plug-In Electric Vehicles with Economic Model Predictive Control. Energies, 2017, 10, 1507.	1.6	15
100	A New Technique for Reducing Size of a WPT System Using Two-Loop Strongly-Resonant Inductors. Energies, 2017, 10, 1614.	1.6	8
101	Combined Conformal Strongly-Coupled Magnetic Resonance for Efficient Wireless Power Transfer. Energies, 2017, 10, 498.	1.6	20
102	Broadband PLC for Clustered Advanced Metering Infrastructure (AMI) Architecture. Energies, 2016, 9, 569.	1.6	40
103	Experimental Study of 6LoPLC for Home Energy Management Systems. Energies, 2016, 9, 1046.	1.6	19
104	Wireless Power Transfer in Cooperative DF Relaying Networks with Log-Normal Fading. , 2016, , .		22
105	Outage probability analysis of WPT systems with multiple-antenna access point. , 2016, , .		9
106	Channel characterisation of cooperative relaying power line communication systems. , 2016, , .		22
107	Polar codes based OFDM-PLC systems in the presence of middleton class-A noise. , 2016, , .		13
108	A method to enhance the performance of successive cancellation decoding in polar codes. , 2016, , .		4

#	Article	IF	Citations
109	Energy-harvesting in cooperative AF relaying networks over log-normal fading channels. , 2016, , .		28
110	Improving energy efficiency in dual-hop cooperative PLC relaying systems. , 2016, , .		26
111	Physical layer security of cooperative relaying power-line communication systems. , 2016, , .		19
112	Physical Layer Security With RF Energy Harvesting in AF Multi-Antenna Relaying Networks. IEEE Transactions on Communications, 2016, 64, 3025-3038.	4.9	111
113	Wireless Power Transfer over Non-Gaussian Channels with Multiple-Antenna Access Point. , 2015, , .		3
114	On Improving Communication Robustness in PLC Systems for More Reliable Smart Grid Applications. IEEE Transactions on Smart Grid, 2015, 6, 2746-2756.	6.2	33
115	Orthogonal poly-phase MC-CDMA over multipath power-line channels with Middleton class-A noise. , 2015, , .		0
116	Performance analysis of adaptive hybrid nonlinear preprocessors for impulsive noise mitigation over power-line channels. , 2015, , .		14
117	Performance analysis of secrecy capacity for two hop AF relay networks with zero forcing. , 2015, , .		4
118	Constant envelope OFDM transmission over impulsive noise power-line communication channels. , 2015, , .		20
119	MC-CDMA Transmission with Blanking Nonlinearity for Impulsive Noise Power-Line Communication Channels. , 2015, , .		5
120	Improved DPTE technique for impulsive noise mitigation over power-line communication channels. AEU - International Journal of Electronics and Communications, 2015, 69, 1847-1853.	1.7	5
121	Effective Noise Cancellation Using Single-Carrier FDMA Transmission in Power-Line Channels. IEEE Transactions on Power Delivery, 2014, 29, 2110-2117.	2.9	22
122	On the performance of multi-user DS-CDMA systems over power-line channels. , 2014, , .		0
123	Quantized Peak-Based Impulsive Noise Blanking in Power-Line Communications. IEEE Transactions on Power Delivery, 2014, 29, 1630-1638.	2.9	25
124	Threshold and scaling factor optimization for enhancing impulsive noise cancellation in PLC systems. , 2014, , .		6
125	On enhancing the performance of the DPTE-based noise cancellation method utilizing the PTS PAPR reduction scheme in PLC systems. , 2014, , .		5
126	Single-carrier FDMA with blanking/clipping for mitigating impulsive noise over PLC channels. , 2014, , .		6

#	Article	IF	Citations
127	Preprocessing-Based Impulsive Noise Reduction for Power-Line Communications. IEEE Transactions on Power Delivery, 2014, 29, 1648-1658.	2.9	40
128	Wireless Power Transfer over Non-Gaussian Channels with Multiple-Antenna Access Point. , 2014, , .		0
129	Efficient SLM based impulsive noise reduction in powerline OFDM communication systems. , 2013, , .		4
130	Dynamic Peak-Based Threshold Estimation Method for Mitigating Impulsive Noise in Power-Line Communication Systems. IEEE Transactions on Power Delivery, 2013, 28, 2201-2208.	2.9	62
131	Impulsive Noise Blanking Using Quantized PAPR Estimates in Powerline Communications. , 2013, , .		0
132	Quantized peak based impulsive noise blanking in powerline communications. , 2013, , .		6
133	Improving blanking/clipping based impulsive noise mitigation over powerline channels. , 2013, , .		20
134	Multiuser steered signed quadrature spatial modulation for millimeterâ€wave massive multipleâ€input multipleâ€output with hybrid beamforming. Transactions on Emerging Telecommunications Technologies, 0, , .	2.6	0
135	Performance limits of wireless powered cooperative NOMA over generalized fading. Transactions on Emerging Telecommunications Technologies, 0, , .	2.6	4