George K Karagiannidis

List of Publications by Year
in descending order

564 papers	24,323 citations	9756 73 h-index	11288 136 g-index
569 all docs	569 docs citations	569 times ranked	11753 citing authors

#	Article	IF	Citations
1	A Survey on Non-Orthogonal Multiple Access for 5G Networks: Research Challenges and Future Trends. IEEE Journal on Selected Areas in Communications, 2017, 35, 2181-2195.	9.7	1,775
2	6G Wireless Networks: Vision, Requirements, Architecture, and Key Technologies. IEEE Vehicular Technology Magazine, 2019, 14, 28-41.	2.8	1,275
3	Millimeter Wave Communications for Future Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 1909-1935.	9.7	797
4	Efficient Machine Learning for Big Data: A Review. Big Data Research, 2015, 2, 87-93.	2.6	425
5	Optical wireless links with spatial diversity over strong atmospheric turbulence channels. IEEE Transactions on Wireless Communications, 2009, 8, 951-957.	6.1	398
6	A Survey on Mobile Anchor Node Assisted Localization in Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2016, 18, 2220-2243.	24.8	370
7	Optical Wireless Communications With Heterodyne Detection Over Turbulence Channels With Pointing Errors. Journal of Lightwave Technology, 2009, 27, 4440-4445.	2.7	356
8	Internet of Things (IoT) and Agricultural Unmanned Aerial Vehicles (UAVs) in smart farming: A comprehensive review. Internet of Things (Netherlands), 2022, 18, 100187.	4.9	350
9	Bounds for multihop relayed communications in nakagami-m fading. IEEE Transactions on Communications, 2006, 54, 18-22.	4.9	344
10	On the performance analysis of digital communications over generalized-k fading channels. IEEE Communications Letters, 2006, 10, 353-355.	2.5	325
11	A Minorization-Maximization Method for Optimizing Sum Rate in the Downlink of Non-Orthogonal Multiple Access Systems. IEEE Transactions on Signal Processing, 2016, 64, 76-88.	3.2	323
12	On the Performance of Non-orthogonal Multiple Access Systems With Partial Channel Information. IEEE Transactions on Communications, 2016, 64, 654-667.	4.9	316
13	BER Performance of FSO Links over Strong Atmospheric Turbulence Channels with Pointing Errors. IEEE Communications Letters, 2008, 12, 44-46.	2.5	299
14	Non-Orthogonal Multiple Access for Visible Light Communications. IEEE Photonics Technology Letters, 2016, 28, 51-54.	1.3	299
15	$N{ast}$Nakagami: A Novel Stochastic Model for Cascaded Fading Channels. IEEE Transactions on Communications, 2007, 55, 1453-1458.	4.9	292
16	Performance analysis of single relay selection in rayleigh fading. IEEE Transactions on Wireless Communications, 2008, 7, 3718-3724.	6.1	273
17	Big Data Analytics for Dynamic Energy Management in Smart Grids. Big Data Research, 2015, 2, 94-101.	2.6	257
18	Wireless-Powered Communications With Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2016, 15, 8422-8436.	6.1	227

#	Article	IF	Citations
19	On the Security of Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 3790-3795.	3.9	221
20	An Improved Approximation for the Gaussian Q-Function. IEEE Communications Letters, 2007, 11, 644-646.	2.5	219
21	Amplify-and-Forward Relay Selection with Outdated Channel Estimates. IEEE Transactions on Communications, 2012, 60, 1278-1290.	4.9	195
22	Gaussian Class Multivariate Weibull Distributions: Theory and Applications in Fading Channels. IEEE Transactions on Information Theory, 2005, 51, 3608-3619.	1.5	194
23	Secure Multiple Amplify-and-Forward Relaying With Cochannel Interference. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1494-1505.	7.3	191
24	Secrecy Cooperative Networks With Outdated Relay Selection Over Correlated Fading Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 7599-7603.	3.9	189
25	Closed-form statistics for the sum of squared Nakagami-m variates and its applications. IEEE Transactions on Communications, 2006, 54, 1353-1359.	4.9	169
26	On the multivariate nakagami-m distribution with exponential correlation. IEEE Transactions on Communications, 2003, 51, 1240-1244.	4.9	168
27	The Fisher–Snedecor $\mathcal{F}$ Distribution: A Simple and Accurate Composite Fading Model. IEEE Communications Letters, 2017, 21, 1661-1664.	2.5	165
28	Charging Schemes for Plug-In Hybrid Electric Vehicles in Smart Grid: A Survey. IEEE Access, 2016, 4, 6846-6875.	2.6	158
29	Joint Estimation of Channel and Oscillator Phase Noise in MIMO Systems. IEEE Transactions on Signal Processing, 2012, 60, 4790-4807.	3.2	153
30	Secure Multiple Amplify-and-Forward Relaying Over Correlated Fading Channels. IEEE Transactions on Communications, 2017, 65, 2811-2820.	4.9	143
31	Nonregenerative Dual-Hop Cooperative Links with Selection Diversity. Eurasip Journal on Wireless Communications and Networking, 2006, 2006, 1.	1.5	142
32	Wireless Information and Power Transfer in Relay Systems With Multiple Antennas and Interference. IEEE Transactions on Communications, 2015, 63, 1400-1418.	4.9	141
33	Two hop amplify-and-forward transmission in mixed rayleigh and rician fading channels. IEEE Communications Letters, 2009, 13, 227-229.	2.5	136
34	Channel Capacity and Second-Order Statistics in Weibull Fading. IEEE Communications Letters, 2004, 8, 377-379.	2.5	134
35	On the Distribution of the Sum of Gamma-Gamma Variates and Applications in RF and Optical Wireless Communications. IEEE Transactions on Communications, 2011, 59, 1298-1308.	4.9	133
36	Multiuser Relaying over Mixed RF/FSO Links. IEEE Transactions on Communications, 2014, 62, 1634-1645.	4.9	132

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37	Relay Selection Protocols for Relay-Assisted Free-Space Optical Systems. Journal of Optical Communications and Networking, 2013, 5, 92.	3.3	129
38	Fairness of User Clustering in MIMO Non-Orthogonal Multiple Access Systems. IEEE Communications Letters, 2016, , 1-1.	2.5	129
39	On the Performance of Visible Light Communication Systems With Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2017, 16, 6350-6364.	6.1	129
40	Moments-Based Approach to the Performance Analysis of Equal Gain Diversity in Nakagami-<tex>m</tex>Fading. IEEE Transactions on Communications, 2004, 52, 685-690.	4.9	128
41	On the Application of Quasi-Degradation to MISO-NOMA Downlink. IEEE Transactions on Signal Processing, 2016, 64, 6174-6189.	3.2	127
42	An efficient approach to multivariate nakagami-m distribution using green's matrix approximation. IEEE Transactions on Wireless Communications, 2003, 2, 883-889.	6.1	123
43	Secure Multiuser Communications in Multiple Amplify-and-Forward Relay Networks. IEEE Transactions on Communications, 2014, 62, 3299-3310.	4.9	120
44	UAV-to-Ground Communications: Channel Modeling and UAV Selection. IEEE Transactions on Communications, 2020, 68, 5135-5144.	4.9	120
45	Multihop Free-Space Optical Communications Over Strong Turbulence Channels. , 2006, , .		119
46	Wireless-Powered Communications: Performance Analysis and Optimization. IEEE Transactions on Communications, 2015, 63, 5178-5190.	4.9	117
47	Optimal Resource Allocation for Delay Minimization in NOMA-MEC Networks. IEEE Transactions on Communications, 2020, 68, 7867-7881.	4.9	117
48	Performance analysis of the dual-hop asymmetric fading channel. IEEE Transactions on Wireless Communications, 2009, 8, 2783-2788.	6.1	114
49	Secure Communications in NOMA System: Subcarrier Assignment and Power Allocation. IEEE Journal on Selected Areas in Communications, 2018, 36, 1441-1452.	9.7	111
50	Mixed RF/FSO Relaying With Outdated Channel State Information. IEEE Journal on Selected Areas in Communications, 2015, 33, 1935-1948.	9.7	108
51	Diversity Combining in Hybrid RF/FSO Systems with PSK Modulation. , 2011, , .		106
52	Simultaneous Lightwave Information and Power Transfer (SLIPT). IEEE Transactions on Green Communications and Networking, 2018, 2, 764-773.	3.5	105
53	Multiuser and Multirelay Cognitive Radio Networks Under Spectrum-Sharing Constraints. IEEE Transactions on Vehicular Technology, 2014, 63, 433-439.	3.9	104
54	Outage Performance of Cognitive Relay Networks With Wireless Information and Power Transfer. IEEE Transactions on Vehicular Technology, 2016, 65, 3828-3833.	3.9	100

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55	Performance Analysis of Dual Selection Diversity in Correlated Weibull Fading Channels. IEEE Transactions on Communications, 2004, 52, 1063-1067.	4.9	97
56	A Survey on Ultraviolet C-Band (UV-C) Communications. IEEE Communications Surveys and Tutorials, 2019, 21, 2111-2133.	24.8	94
57	New results for the Shannon channel capacity in generalized fading channels. IEEE Communications Letters, 2005, 9, 97-99.	2.5	93
58	Wireless Networks with Energy Harvesting and Power Transfer: Joint Power and Time Allocation. IEEE Signal Processing Letters, 2016, 23, 50-54.	2.1	93
59	Dynamic Offloading for Multiuser Muti-CAP MEC Networks: A Deep Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 2922-2927.	3.9	93
60	NOMA Assisted Wireless Caching: Strategies and Performance Analysis. IEEE Transactions on Communications, 2018, 66, 4854-4876.	4.9	92
61	Adaptive Subcarrier PSK Intensity Modulation in Free Space Optical Systems. IEEE Transactions on Communications, 2011, 59, 1368-1377.	4.9	91
62	On Secrecy Performance of Antenna-Selection-Aided MIMO Systems Against Eavesdropping. IEEE Transactions on Vehicular Technology, 2016, 65, 214-225.	3.9	91
63	RF-powered cognitive radio networks: technical challenges and limitations. , 2015, 53, 94-100.		89
64	Energy Efficient Resource Management in SWIPT Enabled Heterogeneous Networks With NOMA. IEEE Transactions on Wireless Communications, 2020, 19, 835-845.	6.1	89
65	BER analysis of collaborative dual-hop wireless transmissions. Electronics Letters, 2004, 40, 679.	0.5	87
66	Two-Way AF Relaying in the Presence of Co-Channel Interference. IEEE Transactions on Communications, 2013, 61, 3156-3169.	4.9	87
67	Resource Allocation in NOMA-Based Fog Radio Access Networks. IEEE Wireless Communications, 2018, 25, 110-115.	6.6	86
68	Generalized Maximum-Likelihood Sequence Detection for Photon-Counting Free Space Optical Systems. IEEE Transactions on Communications, 2010, 58, 3381-3385.	4.9	85
69	Full-Duplex Two-Way and One-Way Relaying: Average Rate, Outage Probability, and Tradeoffs. IEEE Transactions on Wireless Communications, 2016, 15, 3920-3933.	6.1	85
70	Analyzing Grant-Free Access for URLLC Service. IEEE Journal on Selected Areas in Communications, 2021, 39, 741-755.	9.7	85
71	Selection Diversity Receivers Over Nonidentical Weibull Fading Channels. IEEE Transactions on Vehicular Technology, 2005, 54, 2146-2151.	3.9	83
72	Exploiting Direct Links for Physical Layer Security in Multiuser Multirelay Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3856-3867.	6.1	82

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73	On the Design of Multiuser Codebooks for Uplink SCMA Systems. IEEE Communications Letters, 2016, 20, 1920-1923.	2.5	78
74	Secure Communications With Cooperative Jamming: Optimal Power Allocation and Secrecy Outage Analysis. IEEE Transactions on Vehicular Technology, 2017, 66, 7495-7505.	3.9	75
75	Physical Layer Security Jamming: Theoretical Limits and Practical Designs in Wireless Networks. IEEE Access, 2017, 5, 3603-3611.	2.6	75
76	Secure Cache-Aided Multi-Relay Networks in the Presence of Multiple Eavesdroppers. IEEE Transactions on Communications, 2019, 67, 7672-7685.	4.9	75
77	Performance analysis of SIR-based dual selection diversity over correlated Nakagami-m fading channels. IEEE Transactions on Vehicular Technology, 2003, 52, 1207-1216.	3.9	73
78	Secure Transmission in Cooperative Relaying Networks With Multiple Antennas. IEEE Transactions on Wireless Communications, 2016, 15, 6843-6856.	6.1	72
79	A Unified Spatial Framework for UAV-Aided MmWave Networks. IEEE Transactions on Communications, 2019, 67, 8801-8817.	4.9	72
80	PHY-layer Fairness in Amplify and Forward Cooperative Diversity Systems. IEEE Transactions on Wireless Communications, 2008, 7, 1073-1082.	6.1	71
81	Partial Relay Selection With Outdated Channel State Estimation in Mixed RF/FSO Systems. Journal of Lightwave Technology, 2015, 33, 2860-2867.	2.7	71
82	Equal-gain and maximal-ratio combining over nonidentical Weibull fading channels. IEEE Transactions on Wireless Communications, 2005, 4, 841-846.	6.1	70
83	Closed-form error analysis of the non-identical Nakagami-m relay fading channel. IEEE Communications Letters, 2008, 12, 259-261.	2.5	70
84	Deep Learning Based Radio Resource Management in NOMA Networks: User Association, Subchannel and Power Allocation. IEEE Transactions on Network Science and Engineering, 2020, 7, 2406-2415.	4.1	69
85	On the Monotonicity of the Generalized Marcum and Nuttall ${Q}$-Functions. IEEE Transactions on Information Theory, 2009, 55, 3701-3710.	1.5	68
86	Effect of Feedback Delay on Amplify-and-Forward Relay Networks With Beamforming. IEEE Transactions on Vehicular Technology, 2011, 60, 1265-1271.	3.9	68
87	Infinite-Series Representations Associated With the Bivariate Rician Distribution and Their Applications. IEEE Transactions on Communications, 2005, 53, 1790-1794.	4.9	67
88	Outage probability of relayed free space optical communication systems. Electronics Letters, 2006, 42, 994.	0.5	67
89	Multiple Access for Visible Light Communications: Research Challenges and Future Trends. IEEE Access, 2018, 6, 26167-26174.	2.6	67
90	Outage Probability and Optimal Cache Placement for Multiple Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 12373-12378.	3.9	66

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91	On the performance analysis of equal-gain diversity receivers over generalized gamma fading channels. IEEE Transactions on Wireless Communications, 2006, 5, 2967-2975.	6.1	65
92	Effects of RF Impairments in Communications Over Cascaded Fading Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 8878-8894.	3.9	65
93	Slotted ALOHA With NOMA for the Next Generation IoT. IEEE Transactions on Communications, 2020, 68, 6289-6301.	4.9	65
94	On the symbol error probability of general order rectangular qam in nakagami-m fading. IEEE Communications Letters, 2006, 10, 745-747.	2.5	63
95	Energy Detection Spectrum Sensing Under RF Imperfections. IEEE Transactions on Communications, 2016, 64, 2754-2766.	4.9	63
96	Statistical Modeling of the FSO Fronthaul Channel for UAV-Based Communications. IEEE Transactions on Communications, 2020, 68, 3720-3736.	4.9	63
97	Energy-Efficient Resource Allocation in Multicarrier NOMA Systems With Fairness. IEEE Transactions on Communications, 2019, 67, 8639-8654.	4.9	62
98	Performance analysis of triple selection diversity over exponentially correlated nakagami-m fading channels. IEEE Transactions on Communications, 2003, 51, 1245-1248.	4.9	60
99	Two-relay distributed switch and stay combining. IEEE Transactions on Communications, 2008, 56, 1790-1794.	4.9	60
100	On the second order statistics of the multihop rayleigh fading channel. IEEE Transactions on Communications, 2009, 57, 1815-1823.	4.9	59
101	Inverse Gaussian Modeling of Turbulence-Induced Fading in Free-Space Optical Systems. Journal of Lightwave Technology, 2011, 29, 1590-1596.	2.7	59
102	ZF Detectors over Correlated K Fading MIMO Channels. IEEE Transactions on Communications, 2011, 59, 1591-1603.	4.9	58
103	Secure Switch-and-Stay Combining (SSSC) for Cognitive Relay Networks. IEEE Transactions on Communications, 2016, 64, 70-82.	4.9	58
104	Distributed Switch and Stay Combining (DSSC) with a Single Decode and Forward Relay. IEEE Communications Letters, 2007, 11, 408-410.	2.5	57
105	Performance analysis of switched diversity receivers in Weibull fading. Electronics Letters, 2003, 39, 1472.	0.5	56
106	Joint Multiuser Detection of Multidimensional Constellations over Fading Channels. IEEE Transactions on Communications, 2016, , 1-1.	4.9	56
107	Modeling and Analysis of Wireless Channels via the Mixture of Gaussian Distribution. IEEE Transactions on Vehicular Technology, 2016, 65, 8309-8321.	3.9	56
108	Simultaneous Lightwave Information and Power Transfer: Policies, Techniques, and Future Directions. IEEE Access, 2019, 7, 28250-28257.	2.6	55

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109	Distributed Machine Learning for Multiuser Mobile Edge Computing Systems. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 460-473.	7.3	55
110	A State-of-the-Art Survey on Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access Networks. Proceedings of the IEEE, 2022, 110, 1358-1379.	16.4	55
111	Hybrid NOMA/OMA With Buffer-Aided Relay Selection in Cooperative Networks. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 524-537.	7.3	54
112	Maximizing Proportional Fairness in Wireless Powered Communications. IEEE Wireless Communications Letters, 2017, 6, 202-205.	3.2	53
113	Satellite Communications: Research Trends and Open Issues. , 2007, , .		52
114	Level crossing rate and average fade duration of the double Nakagami-m random process and application in MIMO keyhole fading channels. IEEE Communications Letters, 2008, 12, 822-824.	2.5	52
115	Selective Cooperative Relaying over Time-Varying Channels. IEEE Transactions on Communications, 2010, 58, 2402-2412.	4.9	52
116	On the Capacity of Generalized-K Fading MIMO Channels. IEEE Transactions on Signal Processing, 2010, 58, 5939-5944.	3.2	52
117	Joint Downlink/Uplink Design for Wireless Powered Networks With Interference. IEEE Access, 2017, 5, 1534-1547.	2.6	52
118	Equal gain combining over Nakagami-n (rice) and Nakagami-q (Hoyt) generalized fading channels. IEEE Transactions on Wireless Communications, 2005, 4, 374-379.	6.1	51
119	Semi-blind amplify-and-forward with partial relay selection. Electronics Letters, 2009, 45, 317.	0.5	50
120	Hybrid millimeter-wave systems: a novel paradigm for hetnets. , 2015, 53, 216-221.		50
121	A Comprehensive Analysis of the Achievable Channel Capacity in $\mathcal{F}$ Composite Fading Channels. IEEE Access, 2019, 7, 34078-34094.	2.6	50
122	Machine Learning in Beyond 5G/6G Networksâ€"State-of-the-Art and Future Trends. Electronics (Switzerland), 2021, 10, 2786.	1.8	50
123	Fourth-Order Statistics for Blind Classification of Spatial Multiplexing and Alamouti Space-Time Block Code Signals. IEEE Transactions on Communications, 2013, 61, 2420-2431.	4.9	49
124	Energy-Efficient Resource Allocation and Trajectory Design for UAV Relaying Systems. IEEE Transactions on Communications, 2020, 68, 6483-6498.	4.9	48
125	BER Performance of Dual Predetection EGC in Correlative Nakagami->tex<m>/tex<Fading. IEEE Transactions on Communications, 2004, 52, 50-53.	4.9	47
126	Novel Approximations to the Statistics of Products of Independent Random Variables and Their Applications in Wireless Communications. IEEE Transactions on Vehicular Technology, 2012, 61, 443-454.	3.9	45

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127	Analytic Expressions and Bounds for Special Functions and Applications in Communication Theory. IEEE Transactions on Information Theory, 2014, 60, 7798-7823.	1.5	45
128	Non-Orthogonal Multiple Access for Cooperative Multicast Millimeter Wave Wireless Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 1794-1808.	9.7	45
129	Amplify-and-Forward Relay Selection with Outdated Channel State Information. , 2010, , .		44
130	Optimum Wirelessly Powered Relaying. IEEE Signal Processing Letters, 2015, , 1-1.	2.1	44
131	Generic Ergodic Capacity Bounds for Fixed-Gain AF Dual-Hop Relaying Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 3814-3824.	3.9	43
132	I/Q-Imbalance Self-Interference Coordination. IEEE Transactions on Wireless Communications, 2016, 15, 4157-4170.	6.1	43
133	Two-Timeslot Two-Way Full-Duplex Relaying for 5G Wireless Communication Networks. IEEE Transactions on Communications, 2016, 64, 2873-2887.	4.9	42
134	On the Multivariate Gammaâ€"Gamma Distribution With Arbitrary Correlation and Applications in Wireless Communications. IEEE Transactions on Vehicular Technology, 2016, 65, 3834-3840.	3.9	42
135	On Optimal Resource Allocation for Hybrid VLC/RF Networks With Common Backhaul. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 352-365.	4.9	42
136	Learning-Based Signal Detection for MIMO Systems With Unknown Noise Statistics. IEEE Transactions on Communications, 2021, 69, 3025-3038.	4.9	42
137	OFDM Opportunistic Relaying Under Joint Transmit/Receive I/Q Imbalance. IEEE Transactions on Communications, 2014, 62, 1458-1468.	4.9	41
138	Spectrum Sensing in Full-Duplex Cognitive Radio Networks Under Hardware Imperfections. IEEE Transactions on Vehicular Technology, 2017, 66, 2072-2084.	3.9	41
139	Opportunistic Access Point Selection for Mobile Edge Computing Networks. IEEE Transactions on Wireless Communications, 2021, 20, 695-709.	6.1	41
140	Performance Analysis of a Class of GSC Receivers Over Nonidentical Weibull Fading Channels. IEEE Transactions on Vehicular Technology, 2005, 54, 1963-1970.	3.9	40
141	Full-Duplex Spectrum Sharing in Cooperative Single Carrier Systems. IEEE Transactions on Cognitive Communications and Networking, 2016, 2, 68-82.	4.9	40
142	Secure Communications for Multi-Tag Backscatter Systems. IEEE Wireless Communications Letters, 2019, 8, 1146-1149.	3.2	40
143	Distributed Secure Switch-and-Stay Combining Over Correlated Fading Channels. IEEE Transactions on Information Forensics and Security, 2019, 14, 2088-2101.	4.5	40
144	On the Average Output SNR in Selection Combining With Three Correlated Branches Over Nakagami->tex<m>/tex<Fading Channels. IEEE Transactions on Wireless Communications, 2004, 3, 25-28.	6.1	39

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145	Two-parameter Nyquist pulses with better performance. IEEE Communications Letters, 2008, 12, 807-809.	2.5	39
146	A New Lower Bound on the Ergodic Capacity of Distributed MIMO Systems. IEEE Signal Processing Letters, 2011, 18, 227-230.	2.1	39
147	Power Beacon Assisted Wiretap Channels With Jamming. IEEE Transactions on Wireless Communications, 2016, 15, 8353-8367.	6.1	39
148	Realizing 5G vision through Cloud RAN: technologies, challenges, and trends. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	39
149	Effective Rate of MISO Systems Over Fisherâ€"Snedecor <inline-formula> <tex-math notation="LaTeX">$mathcal{F}$ </tex-math> </inline-formula> Fading Channels. IEEE Communications Letters, 2018, 22, 2619-2622.	2.5	39
150	Error-rate analysis of switched diversity receivers in Weibull fading. Electronics Letters, 2004, 40, 681.	0.5	38
151	New results on turbulence modeling for free-space optical systems. , 2010, , .		38
152	Capacity Bounds for AF Dual-hop Relaying in ${cal G}$ Fading Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 1730-1740.	3.9	38
153	Statistical Modeling of FSO Fronthaul Channel for Drone-Based Networks. , 2018, , .		38
154	Î¸-QAM: A parametric quadrature amplitude modulation family and its performance in AWGN and fading channels. IEEE Transactions on Communications, 2010, 58, 1014-1019.	4.9	37
155	Transmit Antenna Selection in Cognitive MIMO Relaying With Multiple Primary Transceivers. IEEE Transactions on Vehicular Technology, 2016, 65, 483-489.	3.9	37
156	Dual Relay Selection for Cooperative NOMA With Distributed Space Time Coding. IEEE Access, 2018, 6, 20440-20450.	2.6	37
157	Spectrum Allocation and Power Control in Full-Duplex Ultra-Dense Heterogeneous Networks. IEEE Transactions on Communications, 2019, 67, 4365-4380.	4.9	37
158	On the Effect of Interference and Misalignment Error in Mixed RF/FSO Systems Over Generalized Fading Channels. IEEE Transactions on Communications, 2020, 68, 3681-3695.	4.9	37
159	3D Non-Stationary Wideband Tunnel Channel Models for 5G High-Speed Train Wireless Communications. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 259-272.	4.7	36
160	A MIMO Detector With Deep Learning in the Presence of Correlated Interference. IEEE Transactions on Vehicular Technology, 2020, 69, 4492-4497.	3.9	36
161	Performance of Distributed Diversity Systems With a Single Amplify-and-Forward Relay. IEEE Transactions on Vehicular Technology, 2009, 58, 2603-2608.	3.9	35
162	Amplify-and-Forward Relay Transmission with End-to-End Antenna Selection. , 2010, , .		35

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163	Solutions to Integrals Involving the Marcum <formula formulatype="inline"><tex Notation="TeX">Q</tex></formula>-Function and Applications. IEEE Signal Processing Letters, 2015, 22, 1752-1756.	2.1	35
164	Energy-Efficient Device Discovery in D2D Cellular Networks for Public Safety Scenario. IEEE Systems Journal, 2019, 13, 2716-2719.	2.9	35
165	WLC41-1: An Optimized User Selection Method for Cooperative Diversity Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	34
166	MU-MIMO precoding for VLC with imperfect CSI. , 2015, , .		34
167	On the Capacity of Wireless Powered Communication Systems Over Rician Fading Channels. IEEE Transactions on Communications, 2018, 66, 404-417.	4.9	34
168	Entropy and Energy Detection-Based Spectrum Sensing Over $\mathcal{F}$ -Composite Fading Channels. IEEE Transactions on Communications, 2019, 67, 4641-4653.	4.9	34
169	Non-Orthogonal Multiple Access (NOMA) With Multiple Intelligent Reflecting Surfaces. IEEE Transactions on Wireless Communications, 2021, 20, 7184-7195.	6.1	34
170	Energy Detection of Unknown Signals Over Cascaded Fading Channels. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 135-138.	2.4	33
171	The <i>η-μ</i> / Inverse Gamma and <i>κ-μ</i> / Inverse Gamma Composite Fading Models: Fundamental Statistics and Empirical Validation. IEEE Transactions on Communications, 2021, 69, 5514-5530.	4.9	33
172	Stackelberg Game of Energy Consumption and Latency in MEC Systems With NOMA. IEEE Transactions on Communications, 2021, 69, 2191-2206.	4.9	33
173	Fixed Gain Amplify-and-Forward Relaying with Co-Channel Interference. , 2011, , .		32
174	Massive Multiuser MIMO in Heterogeneous Cellular Networks With Full Duplex Small Cells. IEEE Transactions on Communications, 2017, 65, 4704-4719.	4.9	32
175	Secure Mobile Edge Computing Networks in the Presence of Multiple Eavesdroppers. IEEE Transactions on Communications, 2022, 70, 500-513.	4.9	31
176	A closed-form upper-bound for the distribution of the weighted sum of rayleigh variates. IEEE Communications Letters, 2005, 9, 589-591.	2.5	30
177	Unified Analysis of Cooperative Spectrum Sensing Over Composite and Generalized Fading Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 6949-6961.	3.9	30
178	Beamforming Optimization for Full-Duplex Wireless-Powered MIMO Systems. IEEE Transactions on Communications, 2017, 65, 3750-3764.	4.9	30
179	Performance Analysis of Non-Orthogonal Multiple Access Under I/Q Imbalance. IEEE Access, 2018, 6, 18453-18468.	2.6	30
180	SLIPT for Underwater Visible Light Communications: Performance Analysis and Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 6715-6728.	6.1	30

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182	Performance Evaluation of OFDM Amplify-and-Forward Relay System with Subcarrier Permutation. IEICE Transactions on Communications, 2010, E93-B, 1216-1223.	0.4	29
183	Mutual Information Statistics and Beamforming Performance Analysis of Optimized LoS MIMO Systems. IEEE Transactions on Communications, 2010, 58, 3316-3329.	4.9	29
184	Optimal design of non-orthogonal multiple access with wireless power transfer. , 2016, , .		29
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