

Julian Cheng

List of Publications by Year in descending order

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367
papers

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367
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367
times ranked

6262
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Underwater Optical Wireless Communications. IEEE Communications Surveys and Tutorials, 2017, 19, 204-238.	39.4	807
2	Energy-Efficient Resource Allocation for Downlink Non-Orthogonal Multiple Access Network. IEEE Transactions on Communications, 2016, 64, 3722-3732.	7.8	400
3	Emerging Optical Wireless Communications-Advances and Challenges. IEEE Journal on Selected Areas in Communications, 2015, 33, 1738-1749.	14.0	353
4	Free-Space Optical Communication with Nonzero Boresight Pointing Errors. IEEE Transactions on Communications, 2014, 62, 713-725.	7.8	285
5	Supporting IoT With Rate-Splitting Multiple Access in Satellite and Aerial-Integrated Networks. IEEE Internet of Things Journal, 2021, 8, 11123-11134.	8.7	243
6	Joint User Scheduling and Power Allocation Optimization for Energy-Efficient NOMA Systems With Imperfect CSI. IEEE Journal on Selected Areas in Communications, 2017, 35, 2874-2885.	14.0	226
7	Fronthauling for 5G LTE-U Ultra Dense Cloud Small Cell Networks. IEEE Wireless Communications, 2016, 23, 48-53.	9.0	209
8	Robust AN-Aided Beamforming and Power Splitting Design for Secure MISO Cognitive Radio With SWIPT. IEEE Transactions on Wireless Communications, 2017, 16, 2450-2464.	9.2	203
9	Cooperative interference mitigation and handover management for heterogeneous cloud small cell networks. IEEE Wireless Communications, 2015, 22, 92-99.	9.0	169
10	Performance of Wireless Powered Amplify and Forward Relaying Over Nakagami- Fading Channels With Nonlinear Energy Harvester. IEEE Communications Letters, 2016, 20, 672-675.	4.1	145
11	Downlink Energy Efficiency of Power Allocation and Wireless Backhaul Bandwidth Allocation in Heterogeneous Small Cell Networks. IEEE Transactions on Communications, 2018, 66, 1705-1716.	7.8	145
12	Power Allocation in Multi-User Cellular Networks: Deep Reinforcement Learning Approaches. IEEE Transactions on Wireless Communications, 2020, 19, 6255-6267.	9.2	137
13	Sparse Channel Estimation and Hybrid Precoding Using Deep Learning for Millimeter Wave Massive MIMO. IEEE Transactions on Communications, 2020, 68, 2838-2849.	7.8	134
14	Energy-Efficient Resource Allocation in NOMA Heterogeneous Networks. IEEE Wireless Communications, 2018, 25, 48-53.	9.0	130
15	Secure Resource Allocation for OFDMA Two-Way Relay Wireless Sensor Networks Without and With Cooperative Jamming. IEEE Transactions on Industrial Informatics, 2016, 12, 1714-1725.	11.3	129
16	Sensing Time Optimization and Power Control for Energy Efficient Cognitive Small Cell With Imperfect Hybrid Spectrum Sensing. IEEE Transactions on Wireless Communications, 2017, 16, 730-743.	9.2	119
17	Joint Energy Efficient Subchannel and Power Optimization for a Downlink NOMA Heterogeneous Network. IEEE Transactions on Vehicular Technology, 2019, 68, 1351-1364.	6.3	116
18	A Dimmable OFDM Scheme With Dynamic Subcarrier Activation for VLC. IEEE Photonics Journal, 2020, 12, 1-12.	2.0	104

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19	Accurate DS-CDMA bit-error probability calculation in Rayleigh fading. IEEE Transactions on Wireless Communications, 2002, 1, 3-15.	9.2	102
20	Precise Error-Rate Analysis of Bandwidth-Efficient BPSK in Nakagami Fading and Cochannel Interference. IEEE Transactions on Communications, 2004, 52, 149-158.	7.8	102
21	Maximum-likelihood based estimation of the Nakagami m parameter. IEEE Communications Letters, 2001, 5, 101-103.	4.1	98
22	Exact error rate analysis of equal gain and selection diversity for coherent free-space optical systems on strong turbulence channels. Optics Express, 2010, 18, 13915.	3.4	97
23	Performance of Digital Linear Modulations on Weibull Slow-Fading Channels. IEEE Transactions on Communications, 2004, 52, 1265-1268.	7.8	92
24	An Edge Computing Empowered Radio Access Network with UAV-Mounted FSO Fronthaul and Backhaul: Key Challenges and Approaches. IEEE Wireless Communications, 2018, 25, 154-160.	9.0	92
25	Error Rate Performance Comparison of Coherent and Subcarrier Intensity Modulated Optical Wireless Communications. Journal of Optical Communications and Networking, 2013, 5, 554.	4.8	87
26	Physical-Layer Security for Indoor Visible Light Communications: Secrecy Capacity Analysis. IEEE Transactions on Communications, 2018, 66, 6423-6436.	7.8	86
27	Ergodic Capacity Analysis of Free-Space Optical Links With Nonzero Boresight Pointing Errors. IEEE Transactions on Wireless Communications, 2015, 14, 4248-4264.	9.2	84
28	Three-Dimensional VLC Positioning Based on Angle Difference of Arrival With Arbitrary Tilting Angle of Receiver. IEEE Journal on Selected Areas in Communications, 2018, 36, 8-22.	14.0	83
29	Moment-based estimation for the shape parameters of the Gamma-Gamma atmospheric turbulence model. Optics Express, 2010, 18, 12824.	3.4	79
30	Energy Efficient Subchannel and Power Allocation for Software-defined Heterogeneous VLC and RF Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 658-670.	14.0	77
31	Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 9053-9067.	6.3	67
32	Incomplete CSI Based Resource Optimization in SWIPT Enabled Heterogeneous Networks: A Non-Cooperative Game Theoretic Approach. IEEE Transactions on Wireless Communications, 2018, 17, 1882-1892.	9.2	64
33	Millimeter Wave Communications With Reconfigurable Intelligent Surfaces: Performance Analysis and Optimization. IEEE Transactions on Communications, 2021, 69, 2752-2768.	7.8	63
34	Robust Secure Beamforming for Wireless Powered Cognitive Satellite-Terrestrial Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 567-580.	7.9	62
35	An Enhanced DCO-OFDM Scheme for Dimming Control in Visible Light Communication Systems. IEEE Photonics Journal, 2016, 8, 1-13.	2.0	60
36	Subcarrier Intensity Modulated Wireless Optical Communications With Rectangular QAM. Journal of Optical Communications and Networking, 2012, 4, 522.	4.8	59

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37	Error Rate Analysis of M-ary Coherent Free-Space Optical Communication Systems with K-Distributed Turbulence. IEEE Transactions on Communications, 2011, 59, 664-668.	7.8	58
38	Subcarrier Intensity Modulated MIMO Optical Communications in Atmospheric Turbulence. Journal of Optical Communications and Networking, 2013, 5, 1001.	4.8	58
39	Uplink Massive Access in Mixed RF/FSO Satellite-Aerial-Terrestrial Networks. IEEE Transactions on Communications, 2021, 69, 2413-2426.	7.8	55
40	Performance Analysis of Overlay Cognitive NOMA Systems With Imperfect Successive Interference Cancellation. IEEE Transactions on Communications, 2020, 68, 4709-4722.	7.8	55
41	Analytical Channel Model and Link Design Optimization for Ground-to-HAP Free-Space Optical Communications. Journal of Lightwave Technology, 2020, 38, 5036-5047.	4.6	54
42	Accurate error-rate performance analysis of OFDM on frequency-selective Nakagami-m fading channels. IEEE Transactions on Communications, 2006, 54, 319-328.	7.8	52
43	Subcarrier Intensity Modulated Optical Wireless Communications in Atmospheric Turbulence With Pointing Errors. Journal of Optical Communications and Networking, 2013, 5, 349.	4.8	52
44	Performance Analysis of 5G Mobile Relay Systems for High-Speed Trains. IEEE Journal on Selected Areas in Communications, 2020, 38, 2760-2772.	14.0	52
45	Joint User Association and User Scheduling for Load Balancing in Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3211-3225.	9.2	51
46	Error Rate of Subcarrier Intensity Modulations for Wireless Optical Communications. IEEE Communications Letters, 2012, 16, 540-543.	4.1	49
47	Generalized moment estimators for the Nakagami fading parameter. IEEE Communications Letters, 2002, 6, 144-146.	4.1	48
48	Performance analysis of coherent wireless optical communications with atmospheric turbulence. Optics Express, 2012, 20, 6515.	3.4	48
49	Covert Transmission Assisted by Intelligent Reflecting Surface. IEEE Transactions on Communications, 2021, 69, 5394-5408.	7.8	46
50	Optical Communication Using Subcarrier Intensity Modulation in Strong Atmospheric Turbulence. Journal of Lightwave Technology, 2012, 30, 3484-3493.	4.6	45
51	Joint Power Control and Time Switching for SWIPT Systems With Heterogeneous QoS Requirements. IEEE Communications Letters, 2016, 20, 328-331.	4.1	44
52	Cooperative Secure Communication in Two-Hop Buffer-Aided Networks. IEEE Transactions on Communications, 2018, 66, 972-985.	7.8	44
53	Robust Max-Min Fairness Resource Allocation in Sensing-Based Wideband Cognitive Radio With SWIPT: Imperfect Channel Sensing. IEEE Systems Journal, 2018, 12, 2361-2372.	4.6	43
54	Hovering UAV-Based FSO Communications: Channel Modelling, Performance Analysis, and Parameter Optimization. IEEE Journal on Selected Areas in Communications, 2021, 39, 2946-2959.	14.0	42

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55	Exact outage probability for equal gain combining with cochannel interference in rayleigh fading. IEEE Transactions on Wireless Communications, 2003, 2, 865-870.	9.2	38
56	Effects of haze particles and fog droplets on NLOS ultraviolet communication channels. Optics Express, 2015, 23, 23259.	3.4	38
57	Energy Efficiency Optimization: Joint Antenna-Subcarrier-Power Allocation in OFDM-DASs. IEEE Transactions on Wireless Communications, 2016, 15, 7470-7483.	9.2	38
58	Asymptotic error analysis of diversity schemes on arbitrarily correlated rayleigh channels. IEEE Transactions on Communications, 2010, 58, 1351-1355.	7.8	36
59	An Approximate BER Analysis for Ambient Backscatter Communication Systems With Tag Selection. IEEE Access, 2017, 5, 22552-22558.	4.2	36
60	A Partially Dynamic Subarrays Structure for Wideband mmWave MIMO Systems. IEEE Transactions on Communications, 2020, 68, 7578-7592.	7.8	36
61	Level Crossing Rate and Average Fade Duration for the Beaulieu-Xie Fading Model. IEEE Wireless Communications Letters, 2017, 6, 326-329.	5.0	35
62	Enhancing the Security of Free-Space Optical Communications With Secret Sharing and Key Agreement. Journal of Optical Communications and Networking, 2014, 6, 1072.	4.8	34
63	Monte-Carlo Integration Models for Multiple Scattering Based Optical Wireless Communication. IEEE Transactions on Communications, 2020, 68, 334-348.	7.8	33
64	Spatial dimming scheme for optical OFDM based visible light communication. Optics Express, 2016, 24, 30254.	3.4	32
65	Adaptive Spectrum Sharing for Half-Duplex and Full-Duplex Cognitive Radios: From the Energy Efficiency Perspective. IEEE Transactions on Communications, 2018, 66, 5067-5080.	7.8	32
66	Error rate analysis of full-duplex relaying. , 2010, , .		31
67	Robust MISO Beamforming With Cooperative Jamming for Secure Transmission From Perspectives of QoS and Secrecy Rate. IEEE Transactions on Communications, 2018, 66, 767-780.	7.8	31
68	Adaptive Channel Coding and Power Control for Practical FSO Communication Systems Under Channel Estimation Error. IEEE Transactions on Vehicular Technology, 2019, 68, 7566-7577.	6.3	31
69	Energy-Efficient Joint User Association and Power Allocation in a Heterogeneous Network. IEEE Transactions on Wireless Communications, 2020, 19, 7008-7020.	9.2	31
70	Deep Learning Aided Robust Joint Channel Classification, Channel Estimation, and Signal Detection for Underwater Optical Communication. IEEE Transactions on Communications, 2021, 69, 2290-2303.	7.8	31
71	A Relay-Assisted OFDM System for VLC Uplink Transmission. IEEE Transactions on Communications, 2019, 67, 6268-6281.	7.8	30
72	Joint Optimization of Trajectory and Communication Resource Allocation for Unmanned Surface Vehicle Enabled Maritime Wireless Networks. IEEE Transactions on Communications, 2021, 69, 8100-8115.	7.8	30

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73	Few-Mode Fiber Coupling Efficiency for Free-Space Optical Communication. Journal of Lightwave Technology, 2021, 39, 1823-1829.	4.6	30
74	Block error rate of optical wireless communication systems over atmospheric turbulence channels. IET Communications, 2014, 8, 616-625.	2.2	28
75	Coherent Wireless Optical Communications With Predetection and Postdetection EGC Over Gamma-Gamma Atmospheric Turbulence Channels. Journal of Optical Communications and Networking, 2011, 3, 860.	4.8	27
76	Subcarrier Phase-Shift Keying Systems With Phase Errors in Lognormal Turbulence Channels. Journal of Lightwave Technology, 2015, 33, 1896-1904.	4.6	27
77	Relay Placement for FSO Multihop DF Systems With Link Obstacles and Infeasible Regions. IEEE Transactions on Wireless Communications, 2015, 14, 5240-5250.	9.2	26
78	Energy efficiency of resource scheduling for non-orthogonal multiple access (NOMA) wireless network. , 2016, , .		26
79	A New Asymptotic Analysis Technique for Diversity Receptions Over Correlated Lognormal Fading Channels. IEEE Transactions on Communications, 2018, 66, 845-861.	7.8	26
80	Sum of Squared Fluctuating Two-Ray Random Variables With Wireless Applications. IEEE Transactions on Vehicular Technology, 2019, 68, 8173-8177.	6.3	26
81	Hybrid RF/FSO Backhaul Networks With Statistical-QoS-Aware Buffer-Aided Relaying. IEEE Transactions on Wireless Communications, 2020, 19, 1464-1483.	9.2	26
82	A New Statistical Channel Model for Emerging Wireless Communication Systems. IEEE Open Journal of the Communications Society, 2020, 1, 916-926.	6.9	26
83	Asymptotic Error Rate Analysis of Selection Combining on Generalized Correlated Nakagami-m Channels. IEEE Transactions on Communications, 2012, 60, 1765-1771.	7.8	25
84	Performance Bounds for Diversity Receptions Over Arbitrarily Correlated Nakagami- m Fading Channels. IEEE Transactions on Wireless Communications, 2016, 15, 699-713.	9.2	25
85	Throughput-Oriented Non-Orthogonal Random Access Scheme for Massive MTC Networks. IEEE Transactions on Communications, 2020, 68, 1777-1793.	7.8	25
86	Statistical-QoS Guarantee for IoT Network Driven by Laser-Powered UAV Relay and RF Backscatter Communications. IEEE Transactions on Green Communications and Networking, 2021, 5, 406-425.	5.5	25
87	Maximum Likelihood Based Channel Estimation for Macrocellular OFDM Uplinks in Dispersive Time-Varying Channels. IEEE Transactions on Wireless Communications, 2011, 10, 176-187.	9.2	24
88	Free-Space Optical Communications Using on-off Keying and Source Information Transformation. Journal of Lightwave Technology, 2016, 34, 2601-2609.	4.6	24
89	Backhaul-Aware User Association and Resource Allocation for Massive MIMO-Enabled HetNets. IEEE Communications Letters, 2017, 21, 2710-2713.	4.1	24
90	MIMO Architecture for Coherent Optical Wireless Communication: System Design and Performance. Journal of Optical Communications and Networking, 2013, 5, 411.	4.8	23

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91	Free-Space Optical Communications Over Lognormal Fading Channels Using OOK With Finite Extinction Ratios. IEEE Access, 2016, 4, 574-584.	4.2	23
92	Energy-efficient resource scheduling for NOMA systems with imperfect channel state information. , 2017, , .		23
93	Asymptotic Secrecy Outage Performance for TAS/MRC Over Correlated Nakagami- m Fading Channels. IEEE Transactions on Communications, 2019, 67, 7700-7714.	7.8	23
94	Optimal Optical Omnidirectional Angle-of-Arrival Estimator With Complementary Photodiodes. Journal of Lightwave Technology, 2019, 37, 2932-2945.	4.6	23
95	Robust Energy Efficient Beamforming in MISOME-SWIPT Systems With Proportional Secrecy Rate. IEEE Journal on Selected Areas in Communications, 2019, 37, 202-215.	14.0	23
96	Performance analysis of digital modulations on Weibull fading channels. , 2003, , .		22
97	Secure Beamforming in Full-Duplex MISO-SWIPT Systems With Multiple Eavesdroppers. IEEE Transactions on Wireless Communications, 2018, 17, 6559-6574.	9.2	22
98	Joint Placement Design, Admission Control, and Power Allocation for NOMA-Based UAV Systems. IEEE Wireless Communications Letters, 2020, 9, 385-388.	5.0	22
99	Outage probability comparisons for diversity systems with cochannel interference in Rayleigh fading. IEEE Transactions on Wireless Communications, 2005, 4, 1279-1284.	9.2	21
100	Ergodic capacity comparison of optical wireless communications using adaptive transmissions. Optics Express, 2013, 21, 20346.	3.4	21
101	Resource Allocation in Wideband Cognitive Radio with SWIPT: Max-Min Fairness Guarantees. , 2016, , .		21
102	Modeling of Short-Range Ultraviolet Communication Channel Based on Spherical Coordinate System. IEEE Communications Letters, 2019, 23, 242-245.	4.1	21
103	Intelligent Reflecting Surface-Assisted mmWave Communication Exploiting Statistical CSI. , 2020, , .		21
104	Sum of Fisher-Snedecor F Random Variables and Its Applications. IEEE Open Journal of the Communications Society, 2020, 1, 342-356.	6.9	21
105	Secure Space-Time Block Coding without Transmitter CSI. IEEE Wireless Communications Letters, 2014, 3, 573-576.	5.0	20
106	Subcarrier Intensity Modulated Optical Wireless Communications Using Noncoherent and Differentially Coherent Modulations. Journal of Lightwave Technology, 2013, 31, 1906-1913.	4.6	19
107	On the Capacity of FSO Links under Lognormal and Rician-Lognormal Turbulences. , 2014, , .		19
108	Improving and Bounding Asymptotic Approximations for Diversity Combiners in Correlated Generalized Rician Fading. IEEE Transactions on Wireless Communications, 2014, 13, 736-748.	9.2	19

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109	Guest Editorial: Optical Wireless Communications. IEEE Journal on Selected Areas in Communications, 2015, 33, 1733-1737.	14.0	19
110	A Novel Hybrid Dimming Control Scheme for Visible Light Communications. IEEE Photonics Journal, 2017, 9, 1-12.	2.0	19
111	Joint Antenna Selection and Power Allocation for an Energy-efficient Massive MIMO System. IEEE Wireless Communications Letters, 2019, 8, 257-260.	5.0	19
112	Coherent Free-Space Optical Communications in Lognormal-Rician Turbulence. IEEE Communications Letters, 2012, 16, 1872-1875.	4.1	18
113	Generalized Method of Moments Estimation of the Nakagami-m Fading Parameter. IEEE Transactions on Wireless Communications, 2012, 11, 3316-3325.	9.2	18
114	Asymptotic Analysis of Different Multibranch Diversity Receivers With Arbitrarily Correlated Rician Channels. IEEE Transactions on Wireless Communications, 2014, 13, 5676-5689.	9.2	18
115	Cooperative Jamming for Secure Transmission With Both Active and Passive Eavesdroppers. IEEE Transactions on Communications, 2020, 68, 5764-5777.	7.8	18
116	Kennedy Receiver Using Threshold Detection and Optimized Displacement Under Thermal Noise. IEEE Communications Letters, 2020, 24, 1313-1317.	4.1	18
117	Covert Surveillance via Proactive Eavesdropping Under Channel Uncertainty. IEEE Transactions on Communications, 2021, 69, 4024-4037.	7.8	18
118	Energy Efficient Joint User Association and Power Allocation in a Two-Tier Heterogeneous Network. , 2016, , .		17
119	Energy efficient power allocation and backhaul design in heterogeneous small cell networks. , 2016, , .		17
120	Exploiting Opportunistic Scheduling in Uplink Wiretap Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 4886-4897.	6.3	17
121	Achieving Full Secrecy Rate With Energy-Efficient Transmission Control. IEEE Transactions on Communications, 2017, 65, 5386-5400.	7.8	17
122	Dynamic Cross-Layer Beamforming in Hybrid Powered Communication Systems With Harvest-Use-Trade Strategy. IEEE Transactions on Wireless Communications, 2017, 16, 8011-8025.	9.2	17
123	Interleaved DFT-Spread Layered/Enhanced ACO-OFDM for Intensity-Modulated Direct-Detection Systems. Journal of Lightwave Technology, 2018, 36, 4713-4722.	4.6	17
124	Tight Capacity Bounds for Indoor Visible Light Communications With Signal-Dependent Noise. IEEE Transactions on Wireless Communications, 2021, 20, 1700-1713.	9.2	17
125	BER Analysis of BPSK Signals in Ricean-Faded Cochannel Interference. IEEE Transactions on Communications, 2007, 55, 1994-2001.	7.8	16
126	Alamouti-Type STBC for Atmospheric Optical Communication Using Coherent Detection. IEEE Photonics Journal, 2014, 6, 1-17.	2.0	16

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127	High SNR BER Comparison of Coherent and Differentially Coherent Modulation Schemes in Lognormal Fading Channels. IEEE Communications Letters, 2014, 18, 1507-1510.	4.1	16
128	Energy Efficient Resource Allocation for OFDMA Full Duplex Distributed Antenna Systems with Energy Recycling. , 2015, , .		16
129	Asymptotic Analysis and Tight Performance Bounds of Diversity Receptions Over Beckmann Fading Channels With Arbitrary Correlation. IEEE Transactions on Communications, 2016, 64, 2220-2234.	7.8	16
130	Distributed Join-the-Idle-Queue for Low Latency Cloud Services. IEEE/ACM Transactions on Networking, 2018, 26, 2309-2319.	3.8	16
131	Energy-Efficient Power Allocation for Cooperative NOMA Systems With IBFD-Enabled Two-Way Cognitive Transmission. IEEE Communications Letters, 2019, 23, 1101-1104.	4.1	16
132	Secrecy Performance of Multi-Antenna Wiretap Channels With Diversity Combining Over Correlated Rayleigh Fading Channels. IEEE Transactions on Wireless Communications, 2019, 18, 444-458.	9.2	16
133	Beam Tracking for UAV-Assisted FSO Links With a Four-Quadrant Detector. IEEE Communications Letters, 2021, 25, 3908-3912.	4.1	16
134	Collaborative Spectrum Sensing in a Cognitive Radio System with Laplacian Noise. IEEE Communications Letters, 2012, 16, 1691-1694.	4.1	15
135	Terrestrial Coherent Free-Space Optical Communication Systems. , 2012, , .		15
136	Investigation of short-range high precision 3D localization via UWB radio. , 2014, , .		15
137	Performance Analysis of Collaborative Beamforming With Outdated CSI for Multi-Relay Spectrum Sharing Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 11627-11641.	6.3	15
138	Secure Distributed On-Device Learning Networks with Byzantine Adversaries. IEEE Network, 2019, 33, 180-187.	6.9	15
139	Contract-Based Incentive Mechanism for Cooperative NOMA Systems. IEEE Communications Letters, 2019, 23, 172-175.	4.1	15
140	Data-Rate Driven Transmission Strategies for Deep Learning-Based Communication Systems. IEEE Transactions on Communications, 2020, 68, 2129-2142.	7.8	15
141	Maximum Likelihood Estimation of the Lognormal-Rician FSO Channel Model. IEEE Photonics Technology Letters, 2015, 27, 1656-1659.	2.5	14
142	Resource Allocation in SWIPT Enabled Heterogeneous Cloud Small Cell Networks with Incomplete CSI. , 2016, , .		14
143	An Asymptotic Study of Hierarchical Diversity Receptions Over Rician Channels With Arbitrary Correlation. IEEE Transactions on Vehicular Technology, 2016, 65, 3299-3311.	6.3	14
144	Channel Estimation for Optical-OFDM-Based Multiuser MISO Visible Light Communication. IEEE Photonics Technology Letters, 2017, 29, 1727-1730.	2.5	14

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145	Energy Efficient Resource Optimization for a Downlink NOMA Heterogeneous Small-Cell Network. , 2018, , .		14
146	Low-Complexity Spatial Modulation for IM/DD Optical Wireless Communications. IEEE Photonics Technology Letters, 2019, 31, 475-478.	2.5	14
147	Adaptive Coordinated Direct and Relay Transmission for NOMA Networks: A Joint Downlink-Uplink Scheme. IEEE Transactions on Wireless Communications, 2021, 20, 4328-4346.	9.2	14
148	Performance bounds for diversity receptions over a new fading model with arbitrary branch correlation. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	14
149	Asymptotic error rates of EGC and SC on Rician channels with arbitrary correlation. , 2009, , .		13
150	Joint estimation of the lognormal-Rician atmospheric turbulence model by the generalized method of moments. Optics Communications, 2012, 285, 4727-4732.	2.1	13
151	A Distance-Dependent Free-Space Optical Cooperative Communication System. IEEE Communications Letters, 2015, 19, 969-972.	4.1	13
152	Exact BER Analysis of Selection Combining for Differential SWIPT Relaying Systems. IEEE Signal Processing Letters, 2017, 24, 1198-1202.	3.6	13
153	Asymptotically tight performance bounds for selection diversity over Beaulieu-Xie fading channels with arbitrary correlation. , 2017, , .		13
154	Statistical Delay-QoS Aware Joint Power Allocation and Relaying Link Selection for Free Space Optics Based Fronthaul Networks. IEEE Transactions on Communications, 2018, 66, 1124-1138.	7.8	13
155	Toward the implementation of a universal angle-based optical indoor positioning system. Frontiers of Optoelectronics, 2018, 11, 116-127.	3.7	13
156	Proportional Fair Secrecy Beamforming for MISO Heterogeneous Cellular Networks With Wireless Information and Power Transfer. IEEE Transactions on Communications, 2019, 67, 5659-5673.	7.8	13
157	Approximating Ergodic Mutual Information for Mixture Gamma Fading Channels With Discrete Inputs. IEEE Communications Letters, 2020, 24, 734-738.	4.1	13
158	Dynamic-Detection-Based Trajectory Planning for Autonomous Underwater Vehicle to Collect Data From Underwater Sensors. IEEE Internet of Things Journal, 2022, 9, 13168-13178.	8.7	13
159	Moment-based estimation of the Nakagami-m fading parameter. , 0, , .		12
160	BER of Subcarrier MPSK and MDPSK Systems in Atmospheric Turbulence. Journal of Lightwave Technology, 2015, 33, 161-170.	4.6	12
161	On the Distribution Function of the Generalized Beckmann Random Variable and Its Applications in Communications. IEEE Transactions on Communications, 2018, 66, 2235-2250.	7.8	12
162	Delay-QoS-Aware Adaptive Modulation and Power Allocation for Dual-Channel Coherent OWC. Journal of Optical Communications and Networking, 2018, 10, 138.	4.8	12

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163	Performance of SWIPT-Based Differential AF Relaying Over Nakagami- m Fading Channels With Direct Link. IEEE Wireless Communications Letters, 2018, 7, 106-109.	5.0	12
164	Asymptotic Outage Analysis on Dual-Branch Diversity Receptions Over Non-Identically Distributed Correlated Lognormal Channels. IEEE Transactions on Communications, 2019, 67, 7126-7138.	7.8	12
165	Cross-Layer Scheduling and Beamforming in Smart-Grid Powered Cellular Networks With Heterogeneous Energy Coordination. IEEE Transactions on Communications, 2020, 68, 2711-2725.	7.8	12
166	Free-Space Optical Communication Using Non-Mode-Selective Photonic Lantern-Based Coherent Receiver. IEEE Transactions on Communications, 2021, 69, 5367-5380.	7.8	12
167	Secrecy Outage Analysis of Two-Hop Decode-and-Forward Mixed RF/UWOC Systems. IEEE Communications Letters, 2022, 26, 989-993.	4.1	12
168	Performance of Vertical Underwater Wireless Optical Communications With Cascaded Layered Modeling. IEEE Transactions on Vehicular Technology, 2022, 71, 5651-5655.	6.3	12
169	Asymptotic ber performance of OFDM in frequency-selective Nakagami- m channels. , 0, , .		11
170	Asymptotically tight performance bounds for equal-gain combining over a new correlated fading channel. , 2017, , .		11
171	Secure transmission for mixed FSO-RF relay networks with physical-layer key encryption and wiretap coding. Optics Express, 2017, 25, 10078.	3.4	11
172	VLC Positioning Using Cameras with Unknown Tilting Angles. , 2017, , .		11
173	Single-Scatter Model for Short-Range Ultraviolet Communication in a Narrow Beam Case. IEEE Photonics Technology Letters, 2019, 31, 265-268.	2.5	11
174	Free-Space Optical Quantum Communications in Turbulent Channels With Receiver Diversity. IEEE Transactions on Communications, 2020, 68, 5706-5717.	7.8	11
175	Coordinated Direct and Relay Transmission for Multiuser Networks: NOMA or Hybrid Multiple Access?. IEEE Wireless Communications Letters, 2021, 10, 976-980.	5.0	11
176	Device-Clustering and Rate-Splitting Enabled Device-to-Device Cooperation Framework in Fog Radio Access Network. IEEE Transactions on Green Communications and Networking, 2021, 5, 1482-1501.	5.5	11
177	Hybrid Spectrum Sensing Based Power Control for Energy Efficient Cognitive Small Cell Network. , 2015, , .		10
178	Asymptotic SER Performance Comparison of MPSK and MDPSK in Wireless Fading Channels. IEEE Wireless Communications Letters, 2015, 4, 18-21.	5.0	10
179	Proportional Fairness-Based Beamforming and Signal Splitting for MISO-SWIPT Systems. IEEE Communications Letters, 2017, 21, 1135-1138.	4.1	10
180	On the Capacity of Buoy-Based MIMO Systems for Underwater Optical Wireless Links with Turbulence. , 2018, , .		10

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