

# Julian Cheng

## List of Publications by Year in descending order

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367  
papers

9,509  
citations

47006

47  
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53230

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367  
all docs

367  
docs citations

367  
times ranked

6262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying the Influence of Intermittent Connectivity on Mobile Edge Computing. IEEE Transactions on Cloud Computing, 2022, 10, 619-632.	4.4	9
2	An Intelligent Detection Based on Deep Learning for Multilevel Code Shifted Differential Chaos Shift Keying System With $M$ -ary Modulation. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 155-169.	7.9	8
3	Secrecy Outage Analysis of Two-Hop Decode-and-Forward Mixed RF/UWOC Systems. IEEE Communications Letters, 2022, 26, 989-993.	4.1	12
4	Partial Cooperative Zero-Forcing Decoding for Uplink Cell-Free Massive MIMO. IEEE Internet of Things Journal, 2022, 9, 10327-10339.	8.7	3
5	Multi-Pair Two-Way Massive MIMO DF Relaying Over Rician Fading Channels Under Imperfect CSI. IEEE Wireless Communications Letters, 2022, 11, 225-229.	5.0	3
6	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
7	Efficient Residual Shrinkage CNN Denoiser Design for Intelligent Signal Processing: Modulation Recognition, Detection, and Decoding. IEEE Journal on Selected Areas in Communications, 2022, 40, 97-111.	14.0	5
8	Intelligent Reflecting Surface Assisted mmWave Communication Using Mixed Timescale Channel State Information. IEEE Transactions on Wireless Communications, 2022, 21, 5673-5687.	9.2	4
9	Impact of Finite-Resolution Precoding and Limited Feedback on Rates of IRS Based mmWave Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 5172-5186.	6.3	2
10	Performance of Vertical Underwater Wireless Optical Communications With Cascaded Layered Modeling. IEEE Transactions on Vehicular Technology, 2022, 71, 5651-5655.	6.3	12
11	Deep Unfolding Basis Pursuit: Improving Sparse Channel Reconstruction via Data-Driven Measurement Matrices. IEEE Transactions on Wireless Communications, 2022, 21, 8090-8105.	9.2	2
12	Outage Analysis and Beamwidth Optimization for Positioning-Assisted Beamforming. IEEE Communications Letters, 2022, 26, 1543-1547.	4.1	1
13	Diverse Traffic Demands Oriented Multi-User Detection for Grant-Free Massive MTC Networks. , 2022, , .		1
14	An Analysis of the Error Rate Performance for Uplink Asynchronous Signal Detection in Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2022, 70, 4591-4606.	7.8	1
15	Mobile Relaying-Based Reliable Data Collection in Underwater Acoustic Sensor Networks. IEEE Wireless Communications Letters, 2022, 11, 1795-1799.	5.0	7
16	Ultrasonic Backscatter Communication for Implantable Medical Devices. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2022, 8, 292-296.	2.1	1
17	Federated Deep Reinforcement Learning for RIS-Assisted Indoor Multi-Robot Communication Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 12321-12326.	6.3	6
18	Multi-IRS-Assisted mmWave MIMO Communication Using Twin-Timescale Channel State Information. IEEE Transactions on Communications, 2022, 70, 6370-6384.	7.8	7

#	ARTICLE	IF	CITATIONS
19	Spectrum Reconstruction via Deep Convolutional Neural Networks for Satellite Communication Systems. IEEE Transactions on Communications, 2022, 70, 5989-6001.	7.8	2
20	Physical Layer Security Over Mixture Gamma Distributed Fading Channels With Discrete Inputs: A Unified and General Analytical Framework. IEEE Communications Letters, 2021, 25, 412-416.	4.1	9
21	Ultrasonic Indexed Modulation and Multiple Access for Intra-Body Networks. IEEE Transactions on Communications, 2021, 69, 108-120.	7.8	6
22	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
23	Tight Capacity Bounds for Indoor Visible Light Communications With Signal-Dependent Noise. IEEE Transactions on Wireless Communications, 2021, 20, 1700-1713.	9.2	17
24	Robust Secure Beamforming for Wireless Powered Cognitive Satellite-Terrestrial Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 567-580.	7.9	62
25	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
26	Beam Tracking for UAV-Assisted FSO Links With a Four-Quadrant Detector. IEEE Communications Letters, 2021, 25, 3908-3912.	4.1	16
27	Group-Based Random Access and Data Transmission Scheme for Massive MTC Networks. IEEE Transactions on Communications, 2021, 69, 8287-8303.	7.8	8
28	Nonconvex Regularized Gradient Projection Sparse Reconstruction for Massive MIMO Channel Estimation. IEEE Transactions on Communications, 2021, 69, 7722-7735.	7.8	2
29	Few-Mode Fiber Coupling Efficiency for Free-Space Optical Communication. Journal of Lightwave Technology, 2021, 39, 1823-1829.	4.6	30
30	A Generalized Dimming Control Scheme for Visible Light Communications. IEEE Transactions on Communications, 2021, 69, 1845-1857.	7.8	7
31	Optimally Displaced Threshold Detection for Discriminating Binary Coherent States Using Imperfect Devices. IEEE Transactions on Communications, 2021, 69, 2546-2556.	7.8	6
32	Uplink Massive Access in Mixed RF/FSO Satellite-Aerial-Terrestrial Networks. IEEE Transactions on Communications, 2021, 69, 2413-2426.	7.8	55
33	Security of Binary Modulated Continuous Variable Quantum Key Distribution Using Optimally Displaced Threshold Detection. IEEE Communications Letters, 2021, 25, 1089-1093.	4.1	8
34	Millimeter Wave Communications With Reconfigurable Intelligent Surfaces: Performance Analysis and Optimization. IEEE Transactions on Communications, 2021, 69, 2752-2768.	7.8	63
35	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
36	High-speed multi-user optical wireless communication between VCSEL-integrated electronic devices. Optics Communications, 2021, 486, 126774.	2.1	9

#	ARTICLE	IF	CITATIONS
37	Few-Mode Fiber-Based Free-Space Optical Communication With Nonzero Boresight Pointing Errors. IEEE Photonics Technology Letters, 2021, 33, 519-522.	2.5	6
38	Coordinated Direct and Relay Transmission for Multiuser Networks: NOMA or Hybrid Multiple Access?. IEEE Wireless Communications Letters, 2021, 10, 976-980.	5.0	11
39	Outage Performance for Optical Feeder Link in Satellite Communications With Diversity Combining. IEEE Wireless Communications Letters, 2021, 10, 1108-1112.	5.0	5
40	Post-selection Based Generalized Kennedy Receiver for Discriminating Binary Coherent States. , 2021, , .		2
41	A Splitting-Detection Joint-Decision Receiver for Ultrasonic Intra-Body Communications. IEEE Transactions on Communications, 2021, 69, 3586-3597.	7.8	5
42	Covert Surveillance via Proactive Eavesdropping Under Channel Uncertainty. IEEE Transactions on Communications, 2021, 69, 4024-4037.	7.8	18
43	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
44	Error rate analysis of few-mode fiber based free-space optical communication. Optics Express, 2021, 29, 24646.	3.4	6
45	Covert Transmission Assisted by Intelligent Reflecting Surface. IEEE Transactions on Communications, 2021, 69, 5394-5408.	7.8	46
46	Energy-Spectrum Efficient Content Distribution in Fog-RAN Using Rate-Splitting, Common Message Decoding, and 3D-Resource Matching. IEEE Transactions on Wireless Communications, 2021, 20, 4929-4946.	9.2	8
47	Free-Space Optical Communication Using Non-Mode-Selective Photonic Lantern-Based Coherent Receiver. IEEE Transactions on Communications, 2021, 69, 5367-5380.	7.8	12
48	Ergodic Capacity of High Throughput Satellite Systems With Mixed FSO-RF Transmission. IEEE Wireless Communications Letters, 2021, 10, 1732-1736.	5.0	5
49	Joint Throughput-Power Optimization of Fog-RAN Using Rate-Splitting Multiple Access and Reinforcement-Learning Based User Clustering. IEEE Transactions on Vehicular Technology, 2021, 70, 8019-8036.	6.3	7
50	A High-Coverage Camera Assisted Received Signal Strength Ratio Algorithm for Indoor Visible Light Positioning. IEEE Transactions on Wireless Communications, 2021, 20, 5730-5743.	9.2	8
51	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
52	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
53	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
54	A Multi-Angle Camera Assisted Received Signal Strength Algorithm for Visible Light Positioning. Journal of Lightwave Technology, 2021, , 1-1.	4.6	7

#	ARTICLE	IF	CITATIONS
55	Performance of fixed-scale MIMO UOWC systems using OOK and spatial multiplexing under misalignment effect. , 2021, , .		0
56	Outage Capacity Optimization for Underwater Wireless Optical Links With Pointing Errors. , 2021, , .		0
57	Joint Optimization of Trajectory and Power Allocation for USV-Assisted Maritime Wireless Network. , 2021, , .		2
58	Hybrid Precoding for Multiple IRS-Assisted mmWave MIMO Communication Exploiting Mixed Timescale CSI. , 2021, , .		0
59	Asymptotic Analysis of Diversity Receptions Over Correlated Lognormal-Rician Fading Channels. , 2021, , .		0
60	Monte-Carlo Integration Models for Multiple Scattering Based Optical Wireless Communication. IEEE Transactions on Communications, 2020, 68, 334-348.	7.8	33
61	Hybrid RF/FSO Backhaul Networks With Statistical-QoS-Aware Buffer-Aided Relaying. IEEE Transactions on Wireless Communications, 2020, 19, 1464-1483.	9.2	26
62	Approximating Ergodic Mutual Information for Mixture Gamma Fading Channels With Discrete Inputs. IEEE Communications Letters, 2020, 24, 734-738.	4.1	13
63	Correlation-Based LTI Channel Estimation for Multi-Wavelength Optical Scattering NLOS Communication. IEEE Transactions on Communications, 2020, 68, 1648-1661.	7.8	5
64	Joint Placement Design, Admission Control, and Power Allocation for NOMA-Based UAV Systems. IEEE Wireless Communications Letters, 2020, 9, 385-388.	5.0	22
65	Throughput-Oriented Non-Orthogonal Random Access Scheme for Massive MTC Networks. IEEE Transactions on Communications, 2020, 68, 1777-1793.	7.8	25
66	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
67	Data-Aided Channel Estimation for Poisson Channels With Inter-Symbol Interference. , 2020, , .		2
68	Intelligent Reflecting Surface-Assisted mmWave Communication Exploiting Statistical CSI. , 2020, , .		21
69	A New Statistical Channel Model for Emerging Wireless Communication Systems. IEEE Open Journal of the Communications Society, 2020, 1, 916-926.	6.9	26
70	Ultrasonic Index Modulation and Multiple Access for Intra-Body Networks. , 2020, , .		2
71	Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 13098-13111.	6.3	9
72	Hybrid Precoding for Wideband mmWave MIMO Systems with Partially Dynamic Subarrays Structure. , 2020, , .		3

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73	Cooperative Jamming for Secure Transmission With Both Active and Passive Eavesdroppers. IEEE Transactions on Communications, 2020, 68, 5764-5777.	7.8	18
74	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
75	Free-Space Optical Quantum Communications in Turbulent Channels With Receiver Diversity. IEEE Transactions on Communications, 2020, 68, 5706-5717.	7.8	11
76	Security Enhancement via Antenna Selection in MIMOME Channels With Discrete Inputs. IEEE Transactions on Communications, 2020, 68, 5041-5055.	7.8	10
77	Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 9053-9067.	6.3	67
78	Energy-Efficient Joint User Association and Power Allocation in a Heterogeneous Network. IEEE Transactions on Wireless Communications, 2020, 19, 7008-7020.	9.2	31
79	On Performance of Underwater Wireless Optical Communications Under Turbulence. , 2020, , .		6
80	Closed-Form Density Matrices of Free-Space Optical Quantum Communications in Turbulent Channels. IEEE Communications Letters, 2020, 24, 1072-1076.	4.1	4
81	On BER of Fixed-Scale MIMO Underwater Wireless Optical Communication Systems. , 2020, , .		2
82	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
83	Power Allocation in Multi-User Cellular Networks: Deep Reinforcement Learning Approaches. IEEE Transactions on Wireless Communications, 2020, 19, 6255-6267.	9.2	137
84	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
85	Data-Rate Driven Transmission Strategies for Deep Learning-Based Communication Systems. IEEE Transactions on Communications, 2020, 68, 2129-2142.	7.8	15
86	Kennedy Receiver Using Threshold Detection and Optimized Displacement Under Thermal Noise. IEEE Communications Letters, 2020, 24, 1313-1317.	4.1	18
87	Sum of Fisher-Snedecor $F$ Random Variables and Its Applications. IEEE Open Journal of the Communications Society, 2020, 1, 342-356.	6.9	21
88	Performance Analysis of Overlay Cognitive NOMA Systems With Imperfect Successive Interference Cancellation. IEEE Transactions on Communications, 2020, 68, 4709-4722.	7.8	55
89	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
90	QPSK-OFDM Optical Wireless Communication System Based on a Near-infrared VCSEL Using Convolutional Code. , 2020, , .		1

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91	A Splitting-Detection Joint-Decision Receiver for Ultrasonic Intra-Body Communications. , 2020, , .		0
92	Right Tail Approximation for the Distribution of Lognormal Sum and Its Applications. , 2020, , .		2
93	Sparse Channel Reconstruction With Nonconvex Regularizer via DC Programming for Massive MIMO Systems. , 2020, , .		2
94	A Partially Dynamic Subarrays Structure for Wideband mmWave MIMO Systems. IEEE Transactions on Communications, 2020, 68, 7578-7592.	7.8	36
95	Uplink Transmission in Mixed RF/FSO Satellite-aerial-Terrestrial Networks. , 2020, , .		1
96	High-Speed Multi-User Underwater Wireless Optical Communication System Based on NOMA Scheme. , 2020, , .		3
97	A Dimmable OFDM Scheme With Dynamic Subcarrier Activation for VLC. IEEE Photonics Journal, 2020, 12, 1-12.	2.0	104
98	Asymptotic Cumulative Distribution Functions for Correlated Lognormal Channels and Their Applications in Selection Combining. , 2020, , .		0
99	Asymptotic Secrecy Outage Performance for TAS/MRC Over Correlated Nakagami- $m$ Fading Channels. IEEE Transactions on Communications, 2019, 67, 7700-7714.	7.8	23
100	Correlation-Based LTI Channel Estimation for Multi-Wavelength Optical Scattering Communication. , 2019, , .		2
101	A Study of Power Distributions in Photonic Lantern for Coherent Optical Receiver. IEEE Photonics Technology Letters, 2019, 31, 1465-1468.	2.5	5
102	Power Allocation Over Broad Spectra Optical Wireless Scattering Communication Based on Link Gain Correlation. IEEE Transactions on Communications, 2019, 67, 6980-6993.	7.8	5
103	Secure Distributed On-Device Learning Networks with Byzantine Adversaries. IEEE Network, 2019, 33, 180-187.	6.9	15
104	An Importance Sampling Method for Monte-Carlo Integration Model for Ultraviolet Communication. , 2019, , .		4
105	Novel Theoretical Performance Comparisons of Open-Loop and Closed-Loop Timing Recovery in Rayleigh Fading Channels With and Without a Receiver Outage Condition. IEEE Wireless Communications Letters, 2019, 8, 1448-1451.	5.0	5
106	A Relay-Assisted OFDM System for VLC Uplink Transmission. IEEE Transactions on Communications, 2019, 67, 6268-6281.	7.8	30
107	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
108	Impact of Channel Correlation on Secrecy Performance Over Rayleigh Fading Channels. , 2019, , .		2

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109	Cross-Layer Scheduling and Beamforming in Smart Grid Powered Small-Cell Networks. , 2019, , .		1
110	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
111	A New Lower Bound Based Secure Beamforming in MISO Communication Networks. IEEE Communications Letters, 2019, 23, 1474-1478.	4.1	2
112	Outage Probability Bounds of EGC Over Dual-Branch Non-Identically Distributed Independent Lognormal Fading Channels With Optimized Parameters. IEEE Transactions on Vehicular Technology, 2019, 68, 8232-8237.	6.3	8
113	A Markov Chain-Based Secrecy Outage Probability Analysis of a Full-Duplex Relay Network. IEEE Wireless Communications Letters, 2019, 8, 1718-1721.	5.0	2
114	Degrees of Freedom for Half-Duplex and Full-Duplex Cognitive Radios. IEEE Transactions on Vehicular Technology, 2019, 68, 2571-2584.	6.3	8
115	Joint FSO Fronthaul and Millimeter-Wave Access Link Optimization in Cloud Small Cell Networks: A Statistical-QoS Aware Approach. IEEE Transactions on Communications, 2019, 67, 4208-4226.	7.8	8
116	Sum of Squared Fluctuating Two-Ray Random Variables With Wireless Applications. IEEE Transactions on Vehicular Technology, 2019, 68, 8173-8177.	6.3	26
117	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
118	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
119	Resource Allocation in Spectrum-Sharing Cognitive Heterogeneous Networks. , 2019, , 635-680.		1
120	Optimal Optical Omnidirectional Angle-of-Arrival Estimator With Complementary Photodiodes. Journal of Lightwave Technology, 2019, 37, 2932-2945.	4.6	23
121	Low-Complexity Spatial Modulation for IM/DD Optical Wireless Communications. IEEE Photonics Technology Letters, 2019, 31, 475-478.	2.5	14
122	A Novel Polarization Enabled Full-Duplex Hybrid Spectrum Sharing Scheme For Cognitive Radios. IEEE Communications Letters, 2019, 23, 530-533.	4.1	3
123	Performance Analysis of FSO MIMO Multiplexing Links with Beam Wander and Nonzero Boresight Pointing Errors. , 2019, , .		3
124	Joint Precoding and Power Control in Small-Cell Networks with Proportional-Rate MISO-BC Backhaul. , 2019, , .		1
125	A Generalized Data Representation and Training-Performance Analysis for Deep Learning Based Communication Systems. , 2019, , .		0
126	Deep Learning for Compressed Sensing Based Channel Estimation in Millimeter Wave Massive MIMO. , 2019, , .		8



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127	Joint Antenna Selection and Power Allocation for an Energy-efficient Massive MIMO System. IEEE Wireless Communications Letters, 2019, 8, 257-260.	5.0	19
128	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
129	Contract-Based Incentive Mechanism for Cooperative NOMA Systems. IEEE Communications Letters, 2019, 23, 172-175.	4.1	15
130	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
131	Single-Scatter Model for Short-Range Ultraviolet Communication in a Narrow Beam Case. IEEE Photonics Technology Letters, 2019, 31, 265-268.	2.5	11
132	Polarization Jones Vector Distance Statistics-Based Full-Duplex Primary Signal Extraction for Cognitive Radios. IEEE Transactions on Communications, 2019, 67, 2689-2701.	7.8	10
133	Modeling of Short-Range Ultraviolet Communication Channel Based on Spherical Coordinate System. IEEE Communications Letters, 2019, 23, 242-245.	4.1	21
134	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
135	Privacy preserving with adaptive link selection for hybrid radio-frequency and free space optical networks. Optics Express, 2019, 27, 3121.	3.4	7
136	A New Asymptotic Analysis Technique for Diversity Receptions Over Correlated Lognormal Fading Channels. IEEE Transactions on Communications, 2018, 66, 845-861.	7.8	26
137	Joint User Association and User Scheduling for Load Balancing in Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3211-3225.	9.2	51
138	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
139	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
140	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
141	Energy-Efficient Resource Allocation in NOMA Heterogeneous Networks. IEEE Wireless Communications, 2018, 25, 48-53.	9.0	130
142	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
143	Cooperative Secure Communication in Two-Hop Buffer-Aided Networks. IEEE Transactions on Communications, 2018, 66, 972-985.	7.8	44
144	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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145	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
146	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
147	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
148	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
149	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
150	Secrecy Beamforming for SWIPT MISO Heterogeneous Cellular Networks. , 2018, , .		1
151	Robust Secrecy Energy Efficient Beamforming in MISOME-SWIPT Systems with Proportional Fairness. , 2018, , .		0
152	Join-the-Idle-Queue Meets the Power-of-d-Choices. , 2018, , .		0
153	Free-Space Optical Quantum BPSK Communications in Turbulent Channels. , 2018, , .		7
154	Extracting the Most Weighted Throughput in UAV Empowered Wireless Systems With Nonlinear Energy Harvester. , 2018, , .		9
155	Secure Beamforming in Full-Duplex SWIPT Systems with Loopback Self-Interference Cancellation. , 2018, , .		6
156	Distributed Join-the-Idle-Queue for Low Latency Cloud Services. IEEE/ACM Transactions on Networking, 2018, 26, 2309-2319.	3.8	16
157	Asymptotic Outage Probability of Dual-Branch Equal-Gain Combining over Correlated, Non-Identically Distributed Lognormal Fading Channels. , 2018, , .		3
158	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
159	Distributed Resource Allocation for IBFD-Enabled NOMA Systems. IEEE Communications Letters, 2018, 22, 2318-2321.	4.1	4
160	An Energy-Efficient Adaptive Spectrum Sharing Scheme for Full Duplex Cognitive Radios. , 2018, , .		0
161	Energy Efficient Resource Optimization for a Downlink NOMA Heterogeneous Small-Cell Network. , 2018, , .		14
162	Polarization Jones Vector Distance Based Full Duplex Primary Signal Extraction for CR Networks. , 2018, , .		1

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163	Principal Component-Based Approach for Profile Optimization Algorithms in DOCSIS 3.1. IEEE Transactions on Network and Service Management, 2018, 15, 934-945.	4.9	5
164	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
165	An Accurate Simple Approximation to the Double-Nakagami (Generalized-K) Fading Channels. , 2018, , .		2
166	Time-domain approach for LFM signal parameter estimation based on FPGA. Electronics Letters, 2018, 54, 846-848.	1.0	3
167	Adaptive Transmission for Coherent OWC With Multiple Parallel Optical Beams. IEEE Photonics Technology Letters, 2018, 30, 1119-1122.	2.5	1
168	Secure Beamforming in Full-Duplex MISO-SWIPT Systems With Multiple Eavesdroppers. IEEE Transactions on Wireless Communications, 2018, 17, 6559-6574.	9.2	22
169	Physical-Layer Security for Indoor Visible Light Communications: Secrecy Capacity Analysis. IEEE Transactions on Communications, 2018, 66, 6423-6436.	7.8	86
170	On Integrated Stochastic Channel Model for Underwater Optical Wireless Communications. , 2018, , .		3
171	On the Capacity of Buoy-Based MIMO Systems for Underwater Optical Wireless Links with Turbulence. , 2018, , .		10
172	Toward the implementation of a universal angle-based optical indoor positioning system. Frontiers of Optoelectronics, 2018, 11, 116-127.	3.7	13
173	Interleaved DFT-Spread Layered/Enhanced ACO-OFDM for Intensity-Modulated Direct-Detection Systems. Journal of Lightwave Technology, 2018, 36, 4713-4722.	4.6	17
174	Applying Hankel's Expansion for Performance Analysis in Double-Nakagami (Generalized-K) Fading Channels. IEEE Transactions on Communications, 2018, , 1-1.	7.8	2
175	Secrecy Performance of Incremental Relaying with Outdated CSI. , 2018, , .		2
176	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
177	Fair Optimal Resource Allocation in Cognitive Radio Networks With Co-Channel Interference Mitigation. IEEE Access, 2018, 6, 37418-37429.	4.2	10
178	Proportional Fairness-Based Beamforming and Signal Splitting for MISO-SWIPT Systems. IEEE Communications Letters, 2017, 21, 1135-1138.	4.1	10
179	Joint Power Control and Subchannel Allocation for D2D Communications Underlying Cellular Networks: A Coalitional Game Perspective. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 133-146.	0.3	0
180	Exact BER Analysis of Selection Combining for Differential SWIPT Relaying Systems. IEEE Signal Processing Letters, 2017, 24, 1198-1202.	3.6	13

#	ARTICLE	IF	CITATIONS
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