

Ning Ge

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

120
papers

1,554
citations

19
h-index

37
g-index

164
ext. papers

2,087
ext. citations

5.5
avg, IF

5.43
L-index

#	Paper	IF	Citations
120	Spectrum and Energy-Efficient Beamspace MIMO-NOMA for Millimeter-Wave Communications Using Lens Antenna Array. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 2370-2382	14.2	197
119	UAV-Aided MIMO Communications for 5G Internet of Things. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 1731-1740	10.7	116
118	Virtual MIMO in Multi-Cell Distributed Antenna Systems: Coordinated Transmissions with Large-Scale CSIT. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 2067-2081	14.2	105
117	Social-Aware Resource Allocation for Device-to-Device Communications Underlying Cellular Networks. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 6621-6634	9.6	81
116	When mmWave Communications Meet Network Densification: A Scalable Interference Coordination Perspective. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 1459-1471	14.2	80
115	Cooperative Multigroup Multicast Transmission in Integrated Terrestrial-Satellite Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 981-992	14.2	54
114	Joint Optimization of Resource Allocation and Relay Selection for Network Coding Aided Device-to-Device Communications. <i>IEEE Communications Letters</i> , 2015 , 19, 807-810	3.8	54
113	Maritime Coverage Enhancement Using UAVs Coordinated With Hybrid Satellite-Terrestrial Networks. <i>IEEE Transactions on Communications</i> , 2020 , 68, 2355-2369	6.9	51
112	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 8910-8934	10.7	51
111	Cell-Free Satellite-UAV Networks for 6G Wide-Area Internet of Things. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 1116-1131	14.2	51
110	Enabling 5G on the Ocean: A Hybrid Satellite-UAV-Terrestrial Network Solution. <i>IEEE Wireless Communications</i> , 2020 , 27, 116-121	13.4	35
109	CHANNEL CHARACTERIZATION AND FINITE-STATE MARKOV CHANNEL MODELING FOR TIME-VARYING PLASMA SHEATH SURROUNDING HYPERSONIC VEHICLES. <i>Progress in Electromagnetics Research</i> , 2014 , 145, 299-308	3.8	34
108	5G Embraces Satellites for 6G Ubiquitous IoT: Basic Models for Integrated Satellite Terrestrial Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 14399-14417	10.7	33
107	Fairness-oriented hybrid precoding for massive MIMO maritime downlink systems with large-scale CSIT. <i>China Communications</i> , 2018 , 15, 52-61	3	32
106	Joint Transmit Precoding and Reconfigurable Intelligent Surface Phase Adjustment: A Decomposition-Aided Channel Estimation Approach. <i>IEEE Transactions on Communications</i> , 2021 , 69, 1228-1243	6.9	31
105	Optimal Energy-Efficient Power Allocation for Distributed Antenna Systems With Imperfect CSI. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 7759-7763	6.8	29
104	Exploiting the Shipping Lane Information for Energy-Efficient Maritime Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 7204-7208	6.8	26

103	Joint Multigroup Precoding and Resource Allocation in Integrated Terrestrial-Satellite Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8075-8090	6.8	22
102	Fundamental Tradeoffs on Energy-Aware D2D Communication Underlying Cellular Networks: A Dynamic Graph Approach. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 864-882	14.2	20
101	AF Relaying With Energy Harvesting Source and Relay. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	19
100	Creating Efficient Blockchains for the Internet of Things by Coordinated Satellite-Terrestrial Networks. <i>IEEE Wireless Communications</i> , 2020 , 27, 104-110	13.4	18
99	Social Trust Aided D2D Communications: Performance Bound and Implementation Mechanism. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 1593-1608	14.2	18
98	Hardware-Efficient Hybrid Precoding for Millimeter Wave Systems With Multi-Feed Reflectarrays. <i>IEEE Access</i> , 2018 , 6, 6795-6806	3.5	17
97	A Shock Tube Experimental System for Communication Performance Evaluation Under the Time-Varying Plasma Flow Channel. <i>IEEE Transactions on Plasma Science</i> , 2017 , 45, 2450-2459	1.3	17
96	Overlapping Coalition Formation Game for Resource Allocation in Network Coding Aided D2D Communications. <i>IEEE Transactions on Mobile Computing</i> , 2017 , 16, 3459-3472	4.6	17
95	Hierarchical Transmission Optimization for Massively Dense Distributed Antenna Systems. <i>IEEE Communications Letters</i> , 2015 , 19, 673-676	3.8	16
94	Social-Community-Aware Long-Range Link Establishment for Multihop D2D Communication Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 9372-9385	6.8	15
93	UAV Swarm-Enabled Aerial CoMP: A Physical Layer Security Perspective. <i>IEEE Access</i> , 2019 , 7, 120901-120916	9.5	13
92	Diamond: Nesting the Data Center Network With Wireless Rings in 3-D Space. <i>IEEE/ACM Transactions on Networking</i> , 2018 , 26, 145-160	3.8	13
91	Aerial Small Cells Using Coordinated Multiple UAVs: An Energy Efficiency Optimization Perspective. <i>IEEE Access</i> , 2019 , 7, 122838-122848	3.5	12
90	On Relay Selection and Subcarrier Assignment for Multiuser Cooperative OFDMA Networks With QoS Guarantees. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 4704-4717	6.8	11
89	Delay Characterization of Mobile-Edge Computing for 6G Time-Sensitive Services. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3758-3773	10.7	11
88	Pilot-Based Channel Estimation for AF Relaying Using Energy Harvesting. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 6877-6886	6.8	10
87	Optimized time-shifted pilots for maritime massive MIMO communication systems 2017 ,		10
86	Energy-Efficiency Maximization for Secure Multiuser MIMO SWIPT Systems With CSI Uncertainty. <i>IEEE Access</i> , 2018 , 6, 2097-2109	3.5	10

85	Coordinated satellite-terrestrial networks: A robust spectrum sharing perspective 2017 ,		8
84	Outage Probability Analysis and Dynamic Criterion Calculation Under the Plasma Sheath Channel. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 1995-2002	1.3	8
83	Energy Efficient Resource Allocation in Cloud Based Integrated Terrestrial-Satellite Networks 2018 ,		8
82	UAV-Enabled Accompanying Coverage for Hybrid Satellite-Uav-Terrestrial Maritime Communications 2019 ,		8
81	Simplified fault-tolerant FIR filter architecture based on redundant residue number system. <i>Electronics Letters</i> , 2014 , 50, 1768-1770	1.1	8
80	Joint Mode Selection and Resource Allocation for Cellular Controlled Short-Range Communication in OFDMA Networks. <i>IEICE Transactions on Communications</i> , 2012 , E95-B, 1023-1026	0.5	8
79	Coverage Optimization for UAV-Aided Internet of Things with Partial Channel Knowledge. <i>Journal of Communications and Information Networks</i> , 2018 , 3, 55-63		8
78	Social community aware long-range link establishment for multi-hop D2D communication networks 2015 ,		7
77	Position-assisted interference coordination for integrated terrestrial-satellite networks 2015 ,		7
76	CRC look-up table optimization for single-bit error correction. <i>Tsinghua Science and Technology</i> , 2007 , 12, 620-623	3.4	7
75	Visual information assisted UAV positioning using priori remote-sensing information. <i>Multimedia Tools and Applications</i> , 2018 , 77, 14461-14480	2.5	6
74	Sum Rate Maximization for Mobile UAV-Aided Internet of Things Communications System 2018 ,		6
73	Adaptive scheduling for millimeter wave multi-beam satellite communication systems. <i>Journal of Communications and Information Networks</i> , 2016 , 1, 42-50		5
72	Performance of Social-Position Relationships Based Cooperation Among Mobile Terminals. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 3128-3138	6.8	5
71	A Signal Subspace Detection Technique for Single Carrier Block Transmission with Unique Words. <i>IEEE Communications Letters</i> , 2011 , 15, 151-153	3.8	5
70	Optimal Beamforming for Hybrid Satellite Terrestrial Networks With Nonlinear PA and Imperfect CSIT. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 276-280	5.9	5
69	PN Code Acquisition Using Belief Propagation with Adaptive Parity Check Matrix. <i>Wireless Personal Communications</i> , 2013 , 71, 3105-3113	1.9	4
68	A fast convergence and area-efficient decoder for quasi-cyclic low-density parity-check codes 2013 ,		4

67	On optimal relay selection and subcarrier assignment in OFDMA relay networks with QoS guarantees 2014 ,		4
66	SC-UWB: A low-complexity UWB technology for portable devices 2011 ,		4
65	UWB-based Wireless Body Area Networks channel modeling and performance evaluation 2011 ,		4
64	RIS-Aided Offshore Communications with Adaptive Beamforming and Service Time Allocation 2020 ,		4
63	Power Allocation for UAV Swarm-Enabled Secure Networks Using Large-Scale CSI 2019 ,		4
62	Location-aware Dynamic Beam Scheduling for Maritime Communication Systems 2018 ,		4
61	Environment-Aware Coverage Optimization for Space-Ground Integrated Maritime Communications. <i>IEEE Access</i> , 2020 , 8, 89205-89214	3-5	3
60	Exploiting Macrodiversity in Massively Distributed Antenna Systems: A Controllable Coordination Perspective. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 8720-8724	6.8	3
59	GLRT for Packet Detection With Practical Analog AGC. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 1749-1758	6.8	3
58	Maximization of link capacity by joint power and spectrum allocation for smart satellite transponder 2017 ,		3
57	Adaptive inter-cell coordination for the distributed antenna system with correlated antenna-clusters 2014 ,		3
56	Synchronization acquisition threshold based on peak-to-average ratio of correlation energy for UWB communications 2011 ,		3
55	Defending Link Flooding Attacks under Incomplete Information: A Bayesian Game Approach 2020 ,		3
54	Fast remote-sensing image registration using priori information and robust Feature extraction. <i>Tsinghua Science and Technology</i> , 2016 , 21, 552-560	3-4	3
53	Pilot power adaptation for tomographic channel estimation in distributed MIMO systems. <i>IET Communications</i> , 2017 , 11, 112-118	1-3	2
52	Adaptive pilot power allocation for distributed antenna systems with large-scale CSI 2014 ,		2
51	Adaptive shipborne base station sleeping control for dynamic broadband maritime communications 2017 ,		2
50	An On-Line Decoding Algorithm for 3GPP MBMS Raptor Codes 2015 ,		2

49	Robust minimum variance beamforming under distributional uncertainty 2015 ,		2
48	Fast Antijamming Timing Acquisition Using Multilayer Synchronization Sequence. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 3497-3503	6.8	2
47	A low power error detection in the syndrome calculator block for reed-solomon codes: RS(204,188). <i>Tsinghua Science and Technology</i> , 2009 , 14, 474-477	3.4	2
46	An iterative multipath interference canceller with linear equalization for ultra high data rate DS-UWB system 2009 ,		2
45	ASIC implementation of fractionally spaced Rake receiver for high data rate UWB systems. <i>Electronics Letters</i> , 2011 , 47, 215	1.1	2
44	Investigation of the time-offset-based QoS support with optical burst switching in WDM networks		2
43	MEC-Empowered Non-Terrestrial Network for 6G Wide-Area Time-Sensitive Internet of Things. <i>Engineering</i> , 2021 ,	9.7	2
42	DDoS Defense for IoT: A Stackelberg Game Model Enabled Collaborative Framework. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
41	Enhanced FSK demodulation with accurate log-likelihood ratio for plasma sheath channels 2016 ,		2
40	Performance Analysis of a Polling Model With BMAP and Across-Queue State-Dependent Service Discipline. <i>IEEE Access</i> , 2019 , 7, 127230-127253	3.5	1
39	Energy Efficiency optimization for UAV Swarm-Enabled Aerial Small Cell Networks 2020 ,		1
38	Process-Oriented Optimization for Beyond 5G Cognitive Satellite-UAV Networks (Invited Paper) 2020 ,		1
37	Analysis of plasma sheath channel characteristics based on the shock tube experiment 2017 ,		1
36	Joint Transceiver Design for Incremental Channel Estimation in Distributed MIMO Systems. <i>IEEE Communications Letters</i> , 2016 , 20, 185-188	3.8	1
35	An improved CRC coding approach for Raptor code 2015 ,		1
34	A physical layer approach for time synchronization in cognitive communication systems 2015 ,		1
33	A method to eliminate TDOA ambiguity based on FDOA and FDOA-rate 2015 ,		1
32	Physical Layer Network Coding Aided Two-Way Device-to-Device Communication Underlying Cellular Networks 2015 ,		1

31	MIMO broadcast channels with cooperation among densely clustered receivers 2014 ,		1
30	Iterative soft QRD-M detection and decoding for single carrier block transmission systems 2014 ,		1
29	Low complexity quasi-optimum Decision Feedback Equalizer design for high rate ultra-wideband communication 2010 ,		1
28	Analysis of Multipath Interference of SRAKE Receivers in UWB Systems 2010 ,		1
27	Introduction of SC-UWB proposal 2011 ,		1
26	Comparison of achievable rates of OFDM and single carrier communication systems. <i>Tsinghua Science and Technology</i> , 2012 , 17, 73-77	3.4	1
25	A FDE residual inter-symbol interference suppression algorithm with MBOK modulation for UWB channels 2009 ,		1
24	The optimum SRAKE based RAKE-DFE receiver for carrier DS-UWB systems 2008 ,		1
23	Performance Studies of a MB-OFDM UWB Systems Using Reduced-Complexity Algorithm for LDPC Decoder 2008 ,		1
22	Dual-stage clock recovery for TDM in packet networks		1
21	Charactering the Peak-to-Average Power Ratio of OTFS Signals: A Large System Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	1
20	A QoE-Based Alarm Model for Terminal Video Quality 2019 ,		1
19	Defending Against Link Flooding Attacks in Internet of Things: A Bayesian Game Approach. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
18	Two-Timescale Beam Selection and Power Allocation for Maritime Offshore Communications. <i>IEEE Communications Letters</i> , 2021 , 25, 3060-3064	3.8	1
17	A Time-Frequency Interleave Structure of Single Carrier FDE over Deep Fading Wireless Channels. <i>IEICE Transactions on Communications</i> , 2010 , E93-B, 2800-2803	0.5	0
16	Deep learning-based symbol detection for time-varying nonstationary channels. <i>China Communications</i> , 2022 , 19, 158-171	3	0
15	Channel Modelling for V2V Highway Scenario Based on Birth and Death Process. <i>Wireless Communications and Mobile Computing</i> , 2022 , 2022, 1-9	1.9	0
14	A Distributed Collaborative Entrance Defense Framework against DDoS Attacks on Satellite Internet. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	0

- 13 Soft Decoding Assisted SNR Estimation Under Block Fading Channels for Orthogonal Modulations. *Wireless Personal Communications*, **2014**, 78, 1555-1570 1.9
- 12 GLRT Approach for Performance Improvement in Practical Burst Packet Acquisition with AGC Amplifier. *Wireless Personal Communications*, **2014**, 74, 835-848 1.9
- 11 Mixed Cooperation MAC Protocol with Sleep Mechanism for Data Acquisition in Wireless Machine-to-Machine Networks. *International Journal of Distributed Sensor Networks*, **2013**, 9, 360267 1.7
- 10 Discrete-time charge analysis for a digital RF charge sampling mixer. *Journal of Zhejiang University: Science C*, **2010**, 11, 307-314
- 9 Unfolded frequency response and model of a multi-tap direct sampling mixer. *Tsinghua Science and Technology*, **2008**, 13, 790-795 3.4
- 8 Dynamic multicast traffic grooming in WDM networks. *Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities*, **2006**, 1, 441-444
- 7 Performance comparison of cell-based and Packet-Based Switching schemes for shared memory switches. *Journal of Electronics*, **2004**, 21, 55-63
- 6 Performance analysis of multicast replication mechanism in shared-memory switch with speedup. *Journal of Electronics*, **2004**, 21, 198-205
- 5 Design of multi-service SDH networks: Formulation and heuristics. *Journal of Electronics*, **2003**, 20, 215-219
- 4 Algorithm Design Simulation of Image Coding Decoding and Target Tracking Based on JPEG2000. *Journal of Computational and Theoretical Nanoscience*, **2015**, 12, 4553-4559 0.3
- 3 Integrated Terrestrial Satellite Networks **2019**, 1-21
- 2 Other Channels 1-12
- 1 DDoS detection for 6G Internet of Things: Spatial-temporal trust model and new architecture. *China Communications*, **2022**, 19, 141-149 3