

Pingyi Fan

List of Publications by Year in Descending Order

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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.

187
papers

2,390
citations

26
h-index

40
g-index

248
ext. papers

3,128
ext. citations

5.9
avg, IF

5.8
L-index

#	Paper	IF	Citations
187	Joint Optimization of Trajectory, Task Offloading and CPU Control in UAV-assisted Wireless Powered Fog Computing Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2022 , 1-1	4	0
186	From MIM-Based GAN to Anomaly Detection: Event Probability Influence on Generative Adversarial Networks. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	0
185	Effective User Clustering and Power Control for Multi-Antenna Uplink NOMA Transmission. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	
184	Decentralized Power Allocation for MIMO-NOMA Vehicular Edge Computing Based on Deep Reinforcement Learning. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	8
183	On the Coverage of UAV-Assisted SWIPT Networks with Nonlinear EH Model. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	2
182	Joint Coordinated Beamforming and Power Splitting Ratio Optimization in MU-MISO SWIPT-enabled HetNets: A Multi-agent DDQN-based Approach. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 1-1	14.2	4
181	Convergence Analysis and System Design for Federated Learning Over Wireless Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 3622-3639	14.2	5
180	Soft Compression: An Approach to Shape Coding for Images. <i>IEEE Communications Letters</i> , 2021 , 25, 798-801	3.8	2
179	Age of Information-Based Wireless Powered Communication Networks With Selfish Charging Nodes. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 1393-1411	14.2	8
178	An Edge Federated MARL Approach for Timeliness Maintenance in MEC Collaboration 2021 ,		1
177	A lossless compression method for multi-component medical images based on big data mining. <i>Scientific Reports</i> , 2021 , 11, 12372	4.9	1
176	AoI-Minimal Trajectory Planning and Data Collection in UAV-Assisted Wireless Powered IoT Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 1211-1223	10.7	55
175	Q-Learning-Based Adaptive Power Control in Wireless RF Energy Harvesting Heterogeneous Networks. <i>IEEE Systems Journal</i> , 2021 , 15, 1861-1872	4.3	5
174	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 4802-4815	10.7	2
173	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 2826-2841	10.7	2
172	Federated Multi-Agent Actor-Critic Learning for Age Sensitive Mobile Edge Computing. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	11
171	⊞AoI Penalty in Wireless Powered Status Update Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	

170	Velocity-adaptive Access Scheme for MEC-assisted Platooning Networks: Access Fairness Via Data Freshness. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	5
169	Achievable Information Rate in Hybrid VLC-RF Networks With Lighting Energy Harvesting. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	3
168	Worst-case Energy Efficiency in Secure SWIPT Networks with Rate-splitting ID and Power-splitting EH Receivers. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	2
167	Interpretable Generative Adversarial Networks With Exponential Function. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 3854-3867	4.8	0
166	Average AoI Minimization in UAV-assisted Data Collection with RF Wireless Power Transfer: A Deep Reinforcement Learning Scheme. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
165	UAV-Aided Wireless Power Transfer and Data Collection in Rician Fading. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 3097-3113	14.2	6
164	Soft Compression for Lossless Image Coding Based on Shape Recognition.. <i>Entropy</i> , 2021 , 23,	2.8	1
163	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 10897-10911	10.7	7
162	An Importance Aware Weighted Coding Theorem Using Message Importance Measure. <i>IEEE Communications Letters</i> , 2020 , 24, 1598-1601	3.8	0
161	. <i>IEEE Transactions on Green Communications and Networking</i> , 2020 , 4, 804-818	4	8
160	Secrecy Energy Efficiency in Multi-Antenna SWIPT Networks With Dual-Layer PS Receivers. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 4290-4306	9.6	4
159	Information-Energy Region for SWIPT Networks in Mobility Scenarios. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 7264-7280	6.8	4
158	Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 15760-15773	6.8	9
157	Outage Probability and Throughput of Multirelay SWIPT-WPCN Networks With Nonlinear EH Model and Imperfect CSI. <i>IEEE Systems Journal</i> , 2020 , 14, 1206-1217	4.3	15
156	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 1081-1097	10.7	11
155	Toward Big Data Processing in IoT: Path Planning and Resource Management of UAV Base Stations in Mobile-Edge Computing System. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 5995-6009	10.7	43
154	Delay-Sensitive Task Offloading in the 802.11p-Based Vehicular Fog Computing Systems. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 773-785	10.7	35
153	UAV-Assisted Wireless Powered Cooperative Mobile Edge Computing: Joint Offloading, CPU Control, and Trajectory Optimization. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 2777-2790	10.7	88

152	Age-Energy Region in Wireless Powered Communication Networks 2020 ,		3
151	Max-Min Energy Balance in Wireless-Powered Hierarchical Fog-Cloud Computing Networks. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 7064-7080	9.6	14
150	2020 ,		3
149	Flexible Effective Sample Size Based on the Message Importance Measure. <i>IEEE Open Journal of Signal Processing</i> , 2020 , 1, 216-229	1.2	1
148	Wireless Powered Communication Networks Assisted by Multiple Fog Servers 2019 ,		3
147	Online Transmission Policy in Wireless Powered Networks with Urgency-aware Age of Information 2019 ,		5
146	2019 ,		6
145	Minor Probability Events Detection in Big Data: An Integrated Approach With Bayes Detection and MIM. <i>IEEE Communications Letters</i> , 2019 , 23, 418-421	3.8	6
144	Data Analysis on Outdoor Indoor Air Quality Variation: Buildings Producing Dynamic Filter Effects. <i>IEEE Systems Journal</i> , 2019 , 13, 4386-4397	4.3	3
143	Matching Users' Preference under Target Revenue Constraints in Data Recommendation Systems. <i>Entropy</i> , 2019 , 21,	2.8	3
142	Attention to the Variation of Probabilistic Events: Information Processing with Message Importance Measure. <i>Entropy</i> , 2019 , 21,	2.8	1
141	Timely Two-Way Data Exchanging in Unilaterally Powered Fog Computing Systems. <i>IEEE Access</i> , 2019 , 7, 21103-21117	3.5	11
140	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 5246-5264	10.7	22
139	Power Minimization in SWIPT Networks With Coexisting Power-Splitting and Time-Switching Users Under Nonlinear EH Model. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 8853-8869	10.7	27
138	Importance of Small Probability Events in Big Data: Information Measures, Applications, and Challenges. <i>IEEE Access</i> , 2019 , 7, 100363-100382	3.5	5
137	Machine Learning Based Prediction and Classification of Computational Jobs in Cloud Computing Centers 2019 ,		4
136	Age-Based Utility Maximization for Wireless Powered Networks: A Stackelberg Game Approach 2019 ,		5
135	Towards Big Data Processing in IoT: Network Management for Online Edge Data Processing 2019 ,		2

134	Optimal Design of Wireless-Powered Hierarchical Fog-Cloud Computing Networks 2019 ,		2
133	Global Energy Efficiency in Secure MISO SWIPT Systems With Non-Linear Power-Splitting EH Model. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 216-232	14.2	60
132	Robust Transmit Beamforming With Artificial Redundant Signals for Secure SWIPT System Under Non-Linear EH Model. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2218-2232	9.6	42
131	To Smart City: Public Safety Network Design for Emergency. <i>IEEE Access</i> , 2018 , 6, 1451-1460	3.5	18
130	Beyond Empirical Models: Pattern Formation Driven Placement of UAV Base Stations. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 3641-3655	9.6	42
129	Location-Aware ICI Reduction in MIMO-OFDM Downlinks for High-Speed Railway Communication Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 2958-2972	6.8	9
128	Uplink age of information of unilaterally powered two-way data exchanging systems 2018 ,		19
127	Differential Message Importance Measure: A New Approach to the Required Sampling Number in Big Data Structure Characterization. <i>IEEE Access</i> , 2018 , 6, 42851-42867	3.5	6
126	Recognizing Information Feature Variation: Message Importance Transfer Measure and Its Applications in Big Data. <i>Entropy</i> , 2018 , 20,	2.8	4
125	Optimal coordinated beamforming with artificial noise for secure SWIPT in multi-cell networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2018 , 2018,	3.2	5
124	Coordinated Beamforming With Artificial Noise for Secure SWIPT Under Non-Linear EH Model: Centralized and Distributed Designs. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 1544-1563	14.2	28
123	Non-Parametric Message Importance Measure: Storage Code Design and Transmission Planning for Big Data. <i>IEEE Transactions on Communications</i> , 2018 , 66, 5181-5196	6.9	9
122	Secrecy Energy Efficiency in SWIPT Networks with Two-Layer Power-Splitting Receiver 2018 ,		1
121	SWIPT-Enabled NOMA Networks with Full-Duplex Relaying 2018 ,		4
120	Age of Information in Wireless Powered Networks in Low SNR Region for Future 5G. <i>Entropy</i> , 2018 , 20,	2.8	12
119	Age Upon Decisions with General Arrivals 2018 ,		3
118	Age of Information Upon Decisions 2018 ,		4
117	A Swarming Approach to Optimize the One-Hop Delay in Smart Driving Inter-Platoon Communications. <i>Sensors</i> , 2018 , 18,	3.8	13

116	A Switch to the Concern of User: Importance Coefficient in Utility Distribution and Message Importance Measure 2018 ,		2
115	Toward Traffic Patterns in High-Speed Railway Communication Systems: Power Allocation and Access Selection. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 12273-12287	6.8	3
114	Velocity-Adaptive V2I Fair-Access Scheme Based on IEEE 802.11 DCF for Platooning Vehicles. <i>Sensors</i> , 2018 , 18,	3.8	14
113	SWIPT-Aware Fog Information Processing: Local Computing vs. Fog Offloading. <i>Sensors</i> , 2018 , 18,	3.8	18
112	Information Theory in Formation Control: An Error Analysis to Multi-Robot Formation. <i>Entropy</i> , 2018 , 20,	2.8	1
111	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 2981-2996	6.8	77
110	Capacity Region of Gaussian Multiple-Access Channels With Energy Harvesting and Energy Cooperation. <i>IEEE Access</i> , 2017 , 5, 1570-1578	3.5	10
109	. <i>IEEE Access</i> , 2017 , 5, 5936-5946	3.5	19
108	RF Energy Harvesting Wireless Powered Sensor Networks for Smart Cities. <i>IEEE Access</i> , 2017 , 5, 9348-9358	3.5	58
107	Position-Aided Large-Scale MIMO Channel Estimation for High-Speed Railway Communication Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 8964-8978	6.8	15
106	Mobile Service Amount Based Link Scheduling for High-Mobility Cooperative Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 9521-9533	6.8	21
105	Service-Oriented Power Allocation for High-Speed Railway Wireless Communications. <i>IEEE Access</i> , 2017 , 5, 8343-8356	3.5	21
104	Towards 5G High Mobility: A Fairness-Adjustable Time-Domain Power Allocation Approach. <i>IEEE Access</i> , 2017 , 5, 11817-11831	3.5	13
103	Optimal Multicell Coordinated Beamforming for Downlink High-Speed Railway Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 9603-9608	6.8	16
102	Space-Time Network Coding With Multiple AF Relays Over Nakagami- m Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 6026-6036	6.8	7
101	Group Cooperation With Optimal Resource Allocation in Wireless Powered Communication Networks. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 3840-3853	9.6	76
100	Traffic Off-Loading With Energy-Harvesting Small Cells and Coded Content Caching. <i>IEEE Transactions on Communications</i> , 2017 , 65, 906-917	6.9	22
99	Resource Allocation in Wireless Powered Sensor Networks With Circuit Energy Consumption Constraints. <i>IEEE Access</i> , 2017 , 5, 22775-22782	3.5	14

98	SWIPT for MISO Wiretap Networks: Channel Uncertainties and Nonlinear Energy Harvesting Features 2017 ,		3
97	Optimal Design of SWIPT Systems With Multiple Heterogeneous Users Under Non-linear Energy Harvesting Model. <i>IEEE Access</i> , 2017 , 5, 11479-11489	3.5	43
96	Optimal Resource Allocation in Wireless Powered Communication Networks With User Cooperation. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 7936-7949	9.6	26
95	. <i>IEEE Access</i> , 2017 , 5, 23032-23045	3.5	25
94	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 9162-9176	6.8	4
93	Optimal Beamforming and Power Splitting Design for SWIPT under Non-Linear Energy Harvesting Model 2017 ,		6
92	Focusing on a probability element: Parameter selection of message importance measure in big data 2017 ,		9
91	The Effect of Power Adjustment on Handover in High-Speed Railway Communication Networks. <i>IEEE Access</i> , 2017 , 5, 26237-26250	3.5	12
90	. <i>IEEE Access</i> , 2017 , 5, 27538-27550	3.5	3
89	Semi-centralized control for multi robot formation 2017 ,		6
88	Amplifying Inter-Message Distance: On Information Divergence Measures in Big Data. <i>IEEE Access</i> , 2017 , 5, 24105-24119	3.5	9
87	Non-parametric message important measure: Compressed storage design for big data in wireless communication systems 2017 ,		3
86	Energy-Efficient 3D UAV-BS Placement versus Mobile Users' Density and Circuit Power 2017 ,		29
85	Differential services in HSR communication systems: Power allocation and antenna selection 2017 ,		2
84	Outage Probability of Energy Harvesting Relay-Aided Cooperative Networks Over Rayleigh Fading Channel. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 972-978	6.8	76
83	Outage Probability Analysis of Linear MANETs in Dual-Hop AF Systems With Noisy Relay and Interference-Limited Destination. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 1795-1800	6.8	4
82	Tracking angles of departure and arrival in a mobile millimeter wave channel 2016 ,		82
81	Location-Aware Low Complexity ICI Reduction in OFDM Downlinks for High-Speed Railway Communication Systems with Distributed Antennas 2016 ,		6

80	Remote Antenna Unit Selection Assisted Seamless Handover for High-Speed Railway Communications with Distributed Antennas 2016 ,		3
79	Optimum Transmission Policies for Energy Harvesting Sensor Networks Powered by a Mobile Control Center. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 6132-6145	9.6	27
78	Providing Services for the High-Speed Train and Local Users in the Same OFDMA System: Resource Allocation in the Downlink. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 1018-1030	9.6	8
77	Cooperation in 5G Heterogeneous Networking: Relay Scheme Combination and Resource Allocation. <i>IEEE Transactions on Communications</i> , 2016 , 64, 3430-3443	6.9	19
76	Energy-Efficient Resource Allocation in OFDM Relay Networks under Proportional Rate Constraints 2016 ,		8
75	Message Importance Measure and Its Application to Minority Subset Detection in Big Data 2016 ,		13
74	Evaluation Framework for User Experience in 5G Systems: On Systematic Rateless-Coded Transmissions. <i>IEEE Access</i> , 2016 , 4, 9108-9118	3.5	12
73	Smart Channel Sounder for 5G IoT: From Wireless Big Data to Active Communication. <i>IEEE Access</i> , 2016 , 4, 8888-8899	3.5	22
72	. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 1431-1447	14.2	61
71	Novel degree function over finite field for LT codes 2016 ,		3
70	Subcarrier grouping with environmental sensing for MIMO-OFDM systems over correlated double-selective fading channels. <i>Wireless Communications and Mobile Computing</i> , 2016 , 16, 2677-2689	1.9	2
69	Location-Aided Umbrella-Shaped Massive MIMO Beamforming Scheme with Transmit Diversity for High Speed Railway Communications 2016 ,		7
68	. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 1-1	14.2	122
67	. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 5775-5788	6.8	66
66	Energy harvesting sensor networks with a mobile control center: Optimal transmission policy 2015 ,		2
65	Hardware implementation on m parameter ML estimation of Nakagami-m fading channel 2015 ,		3
64	Power-space functions in high speed railway wireless communications. <i>Journal of Communications and Networks</i> , 2015 , 17, 231-240	4.1	30
63	On the cooperation gain in 5g heterogeneous networking systems 2015 ,		1

62	A hybrid DF and CF scheme with adaptive power allocation for half-duplex relay channel 2015 ,		2
61	Opportunistic Network Coding Scheme for Two-Way Relay Wireless Networks: A Sum-Rate Maximization Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 2732-2738	6.8	4
60	Downlink resource allocation for the high-speed train and local users in OFDMA systems 2015 ,		3
59	Service-based high-speed railway base station arrangement. <i>Wireless Communications and Mobile Computing</i> , 2015 , 15, 1681-1694	1.9	12
58	General hardware framework of Nakagami m parameter estimator for wireless fading channel 2015 ,		4
57	Outage Performance of Space-Time Network Coding With Overhearing AF Relays. <i>IEEE Communications Letters</i> , 2015 , 19, 2234-2237	3.8	4
56	Position-based diversity and multiplexing analysis for high speed railway communications 2015 ,		7
55	High-Speed Railway Wireless Communications: Efficiency Versus Fairness. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 925-930	6.8	58
54	Outage Probability of Space-Time Network Coding Over Rayleigh Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 1965-1970	6.8	16
53	Optimal Cooperative Beamforming Design for MIMO Decode-and-Forward Relay Channels. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 1476-1489	4.8	31
52	Space-Time Network Coding With Overhearing Relays. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 3567-3582	9.6	22
51	Novel ML estimation of m parameter of the noisy Nakagami-m channel 2014 ,		5
50	Subband division for Gaussian relay channel 2014 ,		4
49	Providing Differentiated Services in Multiaccess Systems With and Without Queue State Information. <i>IEEE Transactions on Communications</i> , 2014 , 62, 4387-4400	6.9	4
48	Reliable information rate of signal-time coding for half-duplex additive white Gaussian noise relay networks. <i>Wireless Communications and Mobile Computing</i> , 2014 , 14, 37-55	1.9	2
47	How channel fadings affect the system service of high speed railway communications 2013 ,		1
46	Outage probability of space-time network coding with amplify-and-forward relays 2013 ,		6
45	Queueing analysis for block fading Rayleigh channels in the low SNR regime 2013 ,		5

44	Multicast for asymmetrical half-duplex butterfly network: A deterministic approach 2013 ,		2
43	Resource allocation for two-way relay networks with symmetric data rates: An information theoretic approach 2013 ,		7
42	Performance analysis for buffer-aided communication over block Rayleigh fading channels: queue length distribution, overflow probability, and overflow rate. <i>Wireless Communications and Mobile Computing</i> , 2012 , 12, 1581-1591	1.9	2
41	On the multicast throughput for half-duplex butterfly network using deterministic approach 2012 ,		1
40	Overflow rate: Buffer-aided information transmission over Nakagami-m fading channels 2012 ,		2
39	Doppler frequency offsets estimation and diversity reception scheme of high speed railway with multiple antennas on separated carriages 2012 ,		10
38	Joint subcarrier-pairing and resource allocation for two-way multi-relay OFDM networks 2012 ,		13
37	Doppler frequency offset estimation and diversity reception scheme of high-speed railway with multiple antennas on separated carriage. <i>Journal of Modern Transportation</i> , 2012 , 20, 227-233	3.7	20
36	Optimal beamforming for MIMO decode-and-forward relay channels 2012 ,		1
35	Understanding of transmission throughput and channel capacity in a systematic way 2011 ,		1
34	Global Proportional Fair Scheduling for Networks With Multiple Base Stations. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 1867-1879	6.8	32
33	Joint Channel Probing and Proportional Fair Scheduling in Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 3496-3505	9.6	3
32	Energy Detection Based Signal-Time Coding for AWGN Relay Networks 2011 ,		2
31	Cooperative multi-source-multi-destination transmission system with relay selection 2011 ,		1
30	End-to-End Delay Constrained Routing and Scheduling for Wireless Sensor Networks 2011 ,		9
29	The deterministic time-linearity of service provided by Rayleigh fading channels 2011 ,		3
28	Optimal Scheduling for Network Coding: Delay v.s. Efficiency 2010 ,		3
27	Achieving Network Wide Proportional Fairness: A Pricing Method 2010 ,		2

26	The Impact of Limited Information on Proportional Fair Scheduling in Wireless Networks 2010 ,		1
25	. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 4564-4577	6.8	24
24	On the characteristics of queueing and scheduling at encoding nodes for network coding. <i>International Journal of Communication Systems</i> , 2009 , 22, 755-772	1.7	42
23	Joint processing of topology control and channel assignment in wireless ad hoc networks. <i>Wireless Communications and Mobile Computing</i> , 2009 , 9, 269-281	1.9	4
22	Throughput improvement and its tradeoff with the queuing delay in the diamond relay networks. <i>Wireless Communications and Mobile Computing</i> , 2009 , 10, n/a-n/a	1.9	1
21	A Signal-Time Coding Approach to Relay Networks 2009 ,		2
20	An Optimal Antenna Assignment Strategy for Information Raining. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 1134-1139	9.6	5
19	On the Geometrical Characteristic of Wireless Ad-Hoc Networks and its Application in Network Performance Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 1256-1265	9.6	20
18	Maximum flow and network capacity of network coding for ad-hoc networks. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 4193-4198	9.6	10
17	An Algebraic Approach to Link Failures Based on Network Coding. <i>IEEE Transactions on Information Theory</i> , 2007 , 53, 775-779	2.8	4
16	Cross layer optimization of downlink power allocation in multi-user wireless communication systems. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2007 , 2, 381-387		
15	A Network Coding Unicast Strategy for Wireless Multi-Hop Networks 2007 ,		4
14	A Combination Scheme of Topology Control and Channel Assignment in Wireless Ad Hoc Networks 2007 ,		1
13	Flexible construction of irregular partitioned permutation LDPC codes with low, error floors. <i>IEEE Communications Letters</i> , 2005 , 9, 534-536	3.8	13
12	Performance of the combining received differential encoding transmit diversity with imperfect carrier recovery over correlated Nakagami fading channels. <i>Wireless Communications and Mobile Computing</i> , 2004 , 4, 475-482	1.9	
11	A noncoherent coded modulation for 16QAM. <i>IEEE Transactions on Communications</i> , 2001 , 49, 585-588	6.9	5
10	Joint turbo coding and modulated coding for channel with intersymbol interference. <i>IEEE Transactions on Consumer Electronics</i> , 2000 , 46, 390-394	4.8	
9	Multirate trellis coded modulation schemes in multimedia communications. <i>IEEE Transactions on Consumer Electronics</i> , 2000 , 46, 1034-1042	4.8	0

- 8 Design of interpolation filter for all digital receiver. On the interpolation problem of full response modulation signals. *Journal of Electronics*, **1998**, 15, 150-157
- 7 A matrix algorithm for computing the free space distance of TCM signal sequences. *Journal of Electronics*, **1997**, 14, 328-335
- 6 Queuing model and delay analysis on network coding 5
- 5 Analysis of maximum flow in random graphs for network coding 2
- 4 An FPGA implementation of a structured irregular LDPC decoder 1
- 3 Spatial reuse in IEEE 802.16 based wireless mesh networks 7
- 2 A neighbor-table-based multipath routing in ad hoc networks 4
- 1 Investigation of the time-offset-based QoS support with optical burst switching in WDM networks 2