

# Pingyi Fan

## List of Publications by Year in descending order

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248  
papers

3,928  
citations

159585

30  
h-index

182427

51  
g-index

248  
all docs

248  
docs citations

248  
times ranked

3081  
citing authors

#	ARTICLE	IF	CITATIONS
1	UAV-Assisted Wireless Powered Cooperative Mobile Edge Computing: Joint Offloading, CPU Control, and Trajectory Optimization. IEEE Internet of Things Journal, 2020, 7, 2777-2790.	8.7	168
2	AoI-Minimal Trajectory Planning and Data Collection in UAV-Assisted Wireless Powered IoT Networks. IEEE Internet of Things Journal, 2021, 8, 1211-1223.	8.7	163
3	Wireless Information and Energy Transfer for Two-Hop Non-Regenerative MIMO-OFDM Relay Networks. IEEE Journal on Selected Areas in Communications, 2015, , 1-1.	14.0	141
4	Tracking angles of departure and arrival in a mobile millimeter wave channel. , 2016, , .		124
5	High-Speed Railway Wireless Communications: Efficiency Versus Fairness. IEEE Transactions on Vehicular Technology, 2014, 63, 925-930.	6.3	97
6	Optimal Power Allocation With Delay Constraint for Signal Transmission From a Moving Train to Base Stations in High-Speed Railway Scenarios. IEEE Transactions on Vehicular Technology, 2015, 64, 5775-5788.	6.3	97
7	Outage Probability of Energy Harvesting Relay-Aided Cooperative Networks Over Rayleigh Fading Channel. IEEE Transactions on Vehicular Technology, 2016, 65, 972-978.	6.3	97
8	Simultaneous Wireless Information and Power Transfer in Cooperative Relay Networks With Rateless Codes. IEEE Transactions on Vehicular Technology, 2017, 66, 2981-2996.	6.3	89
9	Global Energy Efficiency in Secure MISO SWIPT Systems With Non-Linear Power-Splitting EH Model. IEEE Journal on Selected Areas in Communications, 2019, 37, 216-232.	14.0	88
10	Group Cooperation With Optimal Resource Allocation in Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2017, 16, 3840-3853.	9.2	83
11	Toward Big Data Processing in IoT: Path Planning and Resource Management of UAV Base Stations in Mobile-Edge Computing System. IEEE Internet of Things Journal, 2020, 7, 5995-6009.	8.7	81
12	RF Energy Harvesting Wireless Powered Sensor Networks for Smart Cities. IEEE Access, 2017, 5, 9348-9358.	4.2	77
13	On the characteristics of queueing and scheduling at encoding nodes for network coding. International Journal of Communication Systems, 2009, 22, 755-772.	2.5	75
14	Energy Efficiency With Proportional Rate Fairness in Multirelay OFDM Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 1431-1447.	14.0	71
15	Delay-Sensitive Task Offloading in the 802.11p-Based Vehicular Fog Computing Systems. IEEE Internet of Things Journal, 2020, 7, 773-785.	8.7	59
16	Optimal Design of SWIPT Systems With Multiple Heterogeneous Users Under Non-linear Energy Harvesting Model. IEEE Access, 2017, 5, 11479-11489.	4.2	56
17	Federated Multiagent Actor-Critic Learning for Age Sensitive Mobile-Edge Computing. IEEE Internet of Things Journal, 2022, 9, 1053-1067.	8.7	56
18	Power-space functions in high speed railway wireless communications. Journal of Communications and Networks, 2015, 17, 231-240.	2.6	55

#	ARTICLE	IF	CITATIONS
19	Robust Transmit Beamforming With Artificial Redundant Signals for Secure SWIPT System Under Non-Linear EH Model. IEEE Transactions on Wireless Communications, 2018, 17, 2218-2232.	9.2	53
20	Beyond Empirical Models: Pattern Formation Driven Placement of UAV Base Stations. IEEE Transactions on Wireless Communications, 2018, 17, 3641-3655.	9.2	53
21	Decentralized Power Allocation for MIMO-NOMA Vehicular Edge Computing Based on Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 12770-12782.	8.7	46
22	Global Proportional Fair Scheduling for Networks With Multiple Base Stations. IEEE Transactions on Vehicular Technology, 2011, 60, 1867-1879.	6.3	39
23	Optimal Cooperative Beamforming Design for MIMO Decode-and-Forward Relay Channels. IEEE Transactions on Signal Processing, 2014, 62, 1476-1489.	5.3	39
24	Optimal Resource Allocation in Wireless Powered Communication Networks With User Cooperation. IEEE Transactions on Wireless Communications, 2017, 16, 7936-7949.	9.2	37
25	Power Minimization in SWIPT Networks With Coexisting Power-Splitting and Time-Switching Users Under Nonlinear EH Model. IEEE Internet of Things Journal, 2019, 6, 8853-8869.	8.7	37
26	Spatial reuse in IEEE 802.16 based wireless mesh networks. , 0, , .		36
27	Optimum Transmission Policies for Energy Harvesting Sensor Networks Powered by a Mobile Control Center. IEEE Transactions on Wireless Communications, 2016, 15, 6132-6145.	9.2	36
28	Joint Coordinated Beamforming and Power Splitting Ratio Optimization in MU-MISO SWIPT-Enabled HetNets: A Multi-Agent DDQN-Based Approach. IEEE Journal on Selected Areas in Communications, 2022, 40, 677-693.	14.0	36
29	Energy-Efficient 3D UAV-BS Placement versus Mobile Users' Density and Circuit Power. , 2017, , .		35
30	Fog-Assisted Multiuser SWIPT Networks: Local Computing or Offloading. IEEE Internet of Things Journal, 2019, 6, 5246-5264.	8.7	35
31	Average Aol Minimization in UAV-Assisted Data Collection With RF Wireless Power Transfer: A Deep Reinforcement Learning Scheme. IEEE Internet of Things Journal, 2022, 9, 5216-5228.	8.7	35
32	Max-Min Energy Balance in Wireless-Powered Hierarchical Fog-Cloud Computing Networks. IEEE Transactions on Wireless Communications, 2020, 19, 7064-7080.	9.2	33
33	Massive MIMO Beamforming With Transmit Diversity for High Mobility Wireless Communications. IEEE Access, 2017, 5, 23032-23045.	4.2	31
34	To Smart City: Public Safety Network Design for Emergency. IEEE Access, 2018, 6, 1451-1460.	4.2	31
35	Outage Probability and Throughput of Multirelay SWIPT-WPCN Networks With Nonlinear EH Model and Imperfect CSI. IEEE Systems Journal, 2020, 14, 1206-1217.	4.6	31
36	Service-Oriented Power Allocation for High-Speed Railway Wireless Communications. IEEE Access, 2017, 5, 8343-8356.	4.2	30

#	ARTICLE	IF	CITATIONS
37	Coordinated Beamforming With Artificial Noise for Secure SWIPT Under Non-Linear EH Model: Centralized and Distributed Designs. IEEE Journal on Selected Areas in Communications, 2018, 36, 1544-1563.	14.0	30
38	Achievable Information Rate in Hybrid VLC-RF Networks With Lighting Energy Harvesting. IEEE Transactions on Communications, 2021, 69, 6852-6864.	7.8	30
39	On the Geometrical Characteristic of Wireless Ad-Hoc Networks and its Application in Network Performance Analysis. IEEE Transactions on Wireless Communications, 2007, 6, 1256-1265.	9.2	28
40	Delay-Constrained Optimal Link Scheduling in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 4564-4577.	6.3	28
41	Smart Channel Sounder for 5G IoT: From Wireless Big Data to Active Communication. IEEE Access, 2016, 4, 8888-8899.	4.2	28
42	Directivity-Beamwidth Tradeoff of Massive MIMO Uplink Beamforming for High Speed Train Communication. IEEE Access, 2017, 5, 5936-5946.	4.2	28
43	Age-Upon-Decisions Minimizing Scheduling in Internet of Things: To Be Random or To Be Deterministic?. IEEE Internet of Things Journal, 2020, 7, 1081-1097.	8.7	27
44	Doppler frequency offset estimation and diversity reception scheme of high-speed railway with multiple antennas on separated carriage. Journal of Modern Transportation, 2012, 20, 227-233.	2.5	25
45	Space-Time Network Coding With Overhearing Relays. IEEE Transactions on Wireless Communications, 2014, 13, 3567-3582.	9.2	25
46	Position-Aided Large-Scale MIMO Channel Estimation for High-Speed Railway Communication Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 8964-8978.	6.3	25
47	Mobile Service Amount Based Link Scheduling for High-Mobility Cooperative Vehicular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9521-9533.	6.3	25
48	Uplink age of information of unilaterally powered two-way data exchanging systems. , 2018, , .		25
49	Traffic Off-Loading With Energy-Harvesting Small Cells and Coded Content Caching. IEEE Transactions on Communications, 2017, 65, 906-917.	7.8	24
50	Convergence Analysis and System Design for Federated Learning Over Wireless Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 3622-3639.	14.0	24
51	Cooperation in 5G Heterogeneous Networking: Relay Scheme Combination and Resource Allocation. IEEE Transactions on Communications, 2016, 64, 3430-3443.	7.8	23
52	Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. IEEE Transactions on Vehicular Technology, 2020, 69, 15760-15773.	6.3	23
53	Service-based high-speed railway base station arrangement. Wireless Communications and Mobile Computing, 2015, 15, 1681-1694.	1.2	22
54	SWIPT-Aware Fog Information Processing: Local Computing vs. Fog Offloading. Sensors, 2018, 18, 3291.	3.8	22

#	ARTICLE	IF	CITATIONS
55	UAV-Aided Wireless Power Transfer and Data Collection in Rician Fading. IEEE Journal on Selected Areas in Communications, 2021, 39, 3097-3113.	14.0	22
56	Velocity-Adaptive Access Scheme for MEC-Assisted Platooning Networks: Access Fairness Via Data Freshness. IEEE Internet of Things Journal, 2022, 9, 4229-4244.	8.7	21
57	Towards 5G High Mobility: A Fairness-Adjustable Time-Domain Power Allocation Approach. IEEE Access, 2017, 5, 11817-11831.	4.2	20
58	The Effect of Power Adjustment on Handover in High-Speed Railway Communication Networks. IEEE Access, 2017, 5, 26237-26250.	4.2	20
59	Location-Aware ICI Reduction in MIMO-OFDM Downlinks for High-Speed Railway Communication Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 2958-2972.	6.3	20
60	Velocity-Adaptive V2I Fair-Access Scheme Based on IEEE 802.11 DCF for Platooning Vehicles. Sensors, 2018, 18, 4198.	3.8	20
61	Age of Information-Based Wireless Powered Communication Networks With Selfish Charging Nodes. IEEE Journal on Selected Areas in Communications, 2021, 39, 1393-1411.	14.0	20
62	SWIPT-Enabled Full-Duplex NOMA Networks With Full and Partial CSI. IEEE Transactions on Green Communications and Networking, 2020, 4, 804-818.	5.5	19
63	Doppler frequency offsets estimation and diversity reception scheme of high speed railway with multiple antennas on separated carriages. , 2012, , .		18
64	Outage Probability of Space-Time Network Coding Over Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2014, 63, 1965-1970.	6.3	18
65	Optimal Multicell Coordinated Beamforming for Downlink High-Speed Railway Communications. IEEE Transactions on Vehicular Technology, 2017, 66, 9603-9608.	6.3	18
66	Resource Allocation in Wireless Powered Sensor Networks With Circuit Energy Consumption Constraints. IEEE Access, 2017, 5, 22775-22782.	4.2	18
67	A Swarming Approach to Optimize the One-Hop Delay in Smart Driving Inter-Platoon Communications. Sensors, 2018, 18, 3307.	3.8	18
68	Maximum flow and network capacity of network coding for ad-hoc networks. IEEE Transactions on Wireless Communications, 2007, 6, 4193-4198.	9.2	17
69	Message Importance Measure and Its Application to Minority Subset Detection in Big Data. , 2016, , .		17
70	Joint Optimization of Trajectory, Task Offloading, and CPU Control in UAV-Assisted Wireless Powered Fog Computing Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 1833-1845.	5.5	17
71	Flexible construction of irregular partitioned permutation LDPC codes with low error floors. IEEE Communications Letters, 2005, 9, 534-536.	4.1	16
72	Age of Information in Wireless Powered Networks in Low SNR Region for Future 5G. Entropy, 2018, 20, 948.	2.2	16

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73	Energy Harvesting Powered Sensing in IoT: Timeliness Versus Distortion. IEEE Internet of Things Journal, 2020, 7, 10897-10911.	8.7	16
74	Secrecy Energy Efficiency in Multi-Antenna SWIPT Networks With Dual-Layer PS Receivers. IEEE Transactions on Wireless Communications, 2020, 19, 4290-4306.	9.2	16
75	End-to-End Delay Constrained Routing and Scheduling for Wireless Sensor Networks. , 2011, , .		15
76	Joint subcarrier-pairing and resource allocation for two-way multi-relay OFDM networks. , 2012, , .		15
77	Q-Learning-Based Adaptive Power Control in Wireless RF Energy Harvesting Heterogeneous Networks. IEEE Systems Journal, 2021, 15, 1861-1872.	4.6	15
78	Investigation of the time-offset-based QoS support with optical burst switching in WDM networks. , 0, , .		14
79	Timely Two-Way Data Exchanging in Unilaterally Powered Fog Computing Systems. IEEE Access, 2019, 7, 21103-21117.	4.2	14
80	Evaluation Framework for User Experience in 5G Systems: On Systematic Rateless-Coded Transmissions. IEEE Access, 2016, 4, 9108-9118.	4.2	13
81	Providing Services for the High-Speed Train and Local Users in the Same OFDMA System: Resource Allocation in the Downlink. IEEE Transactions on Wireless Communications, 2016, 15, 1018-1030.	9.2	13
82	Capacity Region of Gaussian Multiple-Access Channels With Energy Harvesting and Energy Cooperation. IEEE Access, 2017, 5, 1570-1578.	4.2	13
83	Non-Parametric Message Importance Measure: Storage Code Design and Transmission Planning for Big Data. IEEE Transactions on Communications, 2018, 66, 5181-5196.	7.8	13
84	Location-Aware Low Complexity ICI Reduction in OFDM Downlinks for High-Speed Railway Communication Systems with Distributed Antennas. , 2016, , .		12
85	Age of Information Upon Decisions. , 2018, , .		12
86	A lossless compression method for multi-component medical images based on big data mining. Scientific Reports, 2021, 11, 12372.	3.3	12
87	Queuing model and delay analysis on network coding. , 0, , .		11
88	Optimal Scheduling for Network Coding: Delay v.s. Efficiency. , 2010, , .		11
89	Position-based diversity and multiplexing analysis for high speed railway communications. , 2015, , .		11
90	Location-Aided Umbrella-Shaped Massive MIMO Beamforming Scheme with Transmit Diversity for High Speed Railway Communications. , 2016, , .		11

#	ARTICLE	IF	CITATIONS
91	Semi-centralized control for multi robot formation. , 2017, , .		11
92	Online Transmission Policy in Wireless Powered Networks with Urgency-aware Age of Information. , 2019, , .		11
93	On the Coverage of UAV-Assisted SWIPT Networks With Nonlinear EH Model. IEEE Transactions on Wireless Communications, 2022, 21, 4464-4481.	9.2	11
94	Energy-Efficient Resource Allocation in OFDM Relay Networks under Proportional Rate Constraints. , 2016, , .		10
95	Focusing on a probability element: Parameter selection of message importance measure in big data. , 2017, , .		10
96	Amplifying Inter-Message Distance: On Information Divergence Measures in Big Data. IEEE Access, 2017, 5, 24105-24119.	4.2	10
97	Age-Optimal Service and Decision Processes in Internet of Things. IEEE Internet of Things Journal, 2021, 8, 2826-2841.	8.7	10
98	Worst-Case Energy Efficiency in Secure SWIPT Networks With Rate-Splitting ID and Power-Splitting EH Receivers. IEEE Transactions on Wireless Communications, 2022, 21, 1870-1885.	9.2	10
99	An Algebraic Approach to Link Failures Based on Network Coding. IEEE Transactions on Information Theory, 2007, 53, 775-779.	2.4	9
100	Space-Time Network Coding With Multiple AF Relays Over Nakagami- $m$ Fading Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 6026-6036.	6.3	9
101	Toward Traffic Patterns in High-Speed Railway Communication Systems: Power Allocation and Access Selection. IEEE Transactions on Vehicular Technology, 2018, 67, 12273-12287.	6.3	9
102	Importance of Small Probability Events in Big Data: Information Measures, Applications, and Challenges. IEEE Access, 2019, 7, 100363-100382.	4.2	9
103	Age-Based Utility Maximization for Wireless Powered Networks: A Stackelberg Game Approach. , 2019, , .		9
104	A neighbor-table-based multipath routing in ad hoc networks. , 0, , .		8
105	Remote Antenna Unit Selection Assisted Seamless Handover for High-Speed Railway Communications with Distributed Antennas. , 2016, , .		8
106	Recognizing Information Feature Variation: Message Importance Transfer Measure and Its Applications in Big Data. Entropy, 2018, 20, 401.	2.2	8
107	Data Analysis on Outdoorâ€™Indoor Air Quality Variation: Buildingsâ€™ Producing Dynamic Filter Effects. IEEE Systems Journal, 2019, 13, 4386-4397.	4.6	8
108	Age-Energy Region in Wireless Powered Communication Networks. , 2020, , .		8

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109	A Network Coding Unicast Strategy for Wireless Multi-Hop Networks. , 2007, , .		7
110	Outage probability of space-time network coding with amplify-and-forward relays. , 2013, , .		7
111	Resource allocation for two-way relay networks with symmetric data rates: An information theoretic approach. , 2013, , .		7
112	Outage Performance of Space-Time Network Coding With Overhearing AF Relays. IEEE Communications Letters, 2015, 19, 2234-2237.	4.1	7
113	Optimal Beamforming and Power Splitting Design for SWIPT under Non-Linear Energy Harvesting Model. , 2017, , .		7
114	Age Upon Decisions with General Arrivals. , 2018, , .		7
115	Optimal Design of SWIPT-Aware Fog Computing Networks. , 2019, , .		7
116	An Edge Federated MARL Approach for Timeliness Maintenance in MEC Collaboration. , 2021, , .		7
117	A near optimal subchannel allocation policy in forward links for multicarrier CDMA system. , 0, , .		7
118	A noncoherent coded modulation for 16QAM. IEEE Transactions on Communications, 2001, 49, 585-588.	7.8	6
119	An enhanced CSMA-CA mechanism for multihop ad hoc networks. , 0, , .		6
120	Queueing analysis for block fading Rayleigh channels in the low SNR regime. , 2013, , .		6
121	Subband division for Gaussian relay channel. , 2014, , .		6
122	Providing Differentiated Services in Multiaccess Systems With and Without Queue State Information. IEEE Transactions on Communications, 2014, 62, 4387-4400.	7.8	6
123	Position-Based Power Allocation for Uplink HSRs Wireless Communication When Two Trains Encounter. , 2016, , .		6
124	Differential services in HSR communication systems: Power allocation and antenna selection. , 2017, , .		6
125	Differential Message Importance Measure: A New Approach to the Required Sampling Number in Big Data Structure Characterization. IEEE Access, 2018, 6, 42851-42867.	4.2	6
126	Optimal coordinated beamforming with artificial noise for secure SWIPT in multi-cell networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, , .	2.4	6



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127	Minor Probability Events™ Detection in Big Data: An Integrated Approach With Bayes Detection and MIM. IEEE Communications Letters, 2019, 23, 418-421.	4.1	6
128	Information-Energy Region for SWIPT Networks in Mobility Scenarios. IEEE Transactions on Vehicular Technology, 2020, 69, 7264-7280.	6.3	6
129	± AoI Penalty in Wireless-Powered Status Update Networks. IEEE Internet of Things Journal, 2022, 9, 474-484.	8.7	6
130	Interpretable Generative Adversarial Networks With Exponential Function. IEEE Transactions on Signal Processing, 2021, 69, 3854-3867.	5.3	6
131	Soft Compression: An Approach to Shape Coding for Images. IEEE Communications Letters, 2021, 25, 798-801.	4.1	6
132	An Optimal Antenna Assignment Strategy for Information Raining. IEEE Transactions on Wireless Communications, 2008, 7, 1134-1139.	9.2	5
133	Joint processing of topology control and channel assignment in wireless ad hoc networks. Wireless Communications and Mobile Computing, 2009, 9, 269-281.	1.2	5
134	Joint Channel Probing and Proportional Fair Scheduling in Wireless Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3496-3505.	9.2	5
135	Cooperation-Based Opportunistic Network Coding in Wireless Butterfly Networks. , 2011, , .		5
136	The deterministic time-linearity of service provided by Rayleigh fading channels. , 2011, , .		5
137	How channel fadings affect the system service of high speed railway communications. , 2013, , .		5
138	Novel ML estimation of m parameter of the noisy Nakagami-m channel. , 2014, , .		5
139	General hardware framework of Nakagami m parameter estimator for wireless fading channel. , 2015, , .		5
140	Opportunistic Network Coding Scheme for Two-Way Relay Wireless Networks: A Sum-Rate Maximization Approach. IEEE Transactions on Vehicular Technology, 2015, 64, 2732-2738.	6.3	5
141	Outage Probability Analysis of Linear MANETs in Dual-Hop AF Systems With Noisy Relay and Interference-Limited Destination. IEEE Transactions on Vehicular Technology, 2016, 65, 1795-1800.	6.3	5
142	Machine Learning Based Prediction and Classification of Computational Jobs in Cloud Computing Centers. , 2019, , .		5
143	Matching Users™ Preference under Target Revenue Constraints in Data Recommendation Systems. Entropy, 2019, 21, 205.	2.2	5
144	Attention to the Variation of Probabilistic Events: Information Processing with Message Importance Measure. Entropy, 2019, 21, 439.	2.2	5

#	ARTICLE	IF	CITATIONS
145	Soft Compression for Lossless Image Coding Based on Shape Recognition. Entropy, 2021, 23, 1680.	2.2	5
146	Inverse Reinforcement Learning Meets Power Allocation in Multi-user Cellular Networks. , 2022, , .		5
147	Space time spreading in forward links of the multicarrier DS CDMA system. , 0, , .		4
148	Cross layer design for service differentiation in mobile ad hoc networks. , 0, , .		4
149	Precoding with adaptive subcarrier grouping in MIMO-OFDM systems. , 2014, , .		4
150	QoS-distinguished achievable rate region for high speed railway wireless communications. , 2015, , .		4
151	Multiple-Layer Power Allocation for Two-User Gaussian Interference Channel. IEEE Transactions on Vehicular Technology, 2017, 66, 9162-9176.	6.3	4
152	Wireless Communications With RF-Based Energy Harvesting: From Information Theory to Green Systems. IEEE Access, 2017, 5, 27538-27550.	4.2	4
153	SWIPT-Enabled NOMA Networks with Full-Duplex Relaying. , 2018, , .		4
154	Wireless Powered Communication Networks Assisted by Multiple Fog Servers. , 2019, , .		4
155	Minimum Age-Energy Aware Cost in Wireless Powered Fog Computing Networks. , 2020, , .		4
156	Age-constrained Energy Minimization in UAV-Assisted Wireless Powered Sensor Networks: A DQN-based Approach. , 2021, , .		4
157	From MIM-Based GAN to Anomaly Detection: Event Probability Influence on Generative Adversarial Networks. IEEE Internet of Things Journal, 2022, 9, 18589-18606.	8.7	4
158	Water filling in cellar: the optimal power allocation policy with channel and buffer state information. , 0, , .		3
159	Analysis of Maximum Flow in Random Graphs for Network Coding. , 0, , .		3
160	Performance analysis for buffer-aided communication over block Rayleigh fading channels: queue length distribution, overflow probability, and $\mu$ -overflow rate. Wireless Communications and Mobile Computing, 2012, 12, 1581-1591.	1.2	3
161	&#x03B5;-overflow rate: Buffer-aided information transmission over Nakagami-m fading channels. , 2012, , .		3
162	Downlink resource allocation for the high-speed train and local users in OFDMA systems. , 2015, , .		3

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163	Hardware implementation on m parameter ML estimation of Nakagami-m fading channel. , 2015, , .		3
164	Deploying Multiple Antennas on High-Speed Trains: Equidistant Strategy vs. Fixed-Interval Strategy. , 2016, , .		3
165	Novel degree function over finite field for LT codes. , 2016, , .		3
166	Subcarrier grouping with environmental sensing for MIMO-OFDM systems over correlated double-selective fading channels. Wireless Communications and Mobile Computing, 2016, 16, 2677-2689.	1.2	3
167	Non-parametric message important measure: Compressed storage design for big data in wireless communication systems. , 2017, , .		3
168	SWIPT for MISO Wiretap Networks: Channel Uncertainties and Nonlinear Energy Harvesting Features. , 2017, , .		3
169	Information Theory in Formation Control: An Error Analysis to Multi-Robot Formation. Entropy, 2018, 20, 618.	2.2	3
170	Towards Big Data Processing in IoT: Network Management for Online Edge Data Processing. , 2019, , .		3
171	Optimal Design of Wireless-Powered Hierarchical Fog-Cloud Computing Networks. , 2019, , .		3
172	An Importance Aware Weighted Coding Theorem Using Message Importance Measure. IEEE Communications Letters, 2020, 24, 1598-1601.	4.1	3
173	Storage Space Allocation Strategy for Digital Data with Message Importance. Entropy, 2020, 22, 591.	2.2	3
174	Achievable Computation Rate in NOMA-Based Wireless-Powered Networks Assisted by Multiple Fog Servers. IEEE Internet of Things Journal, 2021, 8, 4802-4815.	8.7	3
175	Improved weighting vector selection method in maximum ratio transmission over flat Rayleigh fading channels. , 0, , .		2
176	On network coding in wireless ad-hoc networks. , 2005, , .		2
177	A Combination Scheme of Topology Control and Channel Assignment in Wireless Ad Hoc Networks. , 2007, , .		2
178	Throughput improvement and its tradeoff with the queuing delay in the diamond relay networks. Wireless Communications and Mobile Computing, 2010, 10, 1140-1158.	1.2	2
179	A Signal-Time Coding Approach to Relay Networks. , 2009, , .		2
180	Achieving Network Wide Proportional Fairness: A Pricing Method. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
181	Understanding of transmission throughput and channel capacity in a systematic way. , 2011, , .		2
182	Energy Detection Based Signal-Time Coding for AWGN Relay Networks. , 2011, , .		2
183	Cooperative multi-source-multi-destination transmission system with relay selection. , 2011, , .		2
184	Optimal beamforming for MIMO decode-and-forward relay channels. , 2012, , .		2
185	Multicast for asymmetrical half-duplex butterfly network: A deterministic approach. , 2013, , .		2
186	Reliable information rate of signal-time coding for half-duplex additive white Gaussian noise relay networks. Wireless Communications and Mobile Computing, 2014, 14, 37-55.	1.2	2
187	Energy harvesting sensor networks with a mobile control center: Optimal transmission policy. , 2015, , .		2
188	A hybrid DF and CF scheme with adaptive power allocation for half-duplex relay channel. , 2015, , .		2
189	Optimal Byzantine Attack and Byzantine Identification in Distributed Sensor Networks. , 2016, , .		2
190	Secrecy Energy Efficiency in SWIPT Networks with Two-Layer Power-Splitting Receiver. , 2018, , .		2
191	A Switch to the Concern of User: Importance Coefficient in Utility Distribution and Message Importance Measure. , 2018, , .		2
192	Robust Energy-Efficient Beamforming in MISO Networks with Dynamic Energy Consumption Model. , 2019, , .		2
193	Flexible Effective Sample Size Based on the Message Importance Measure. IEEE Open Journal of Signal Processing, 2020, 1, 216-229.	3.5	2
194	Design of interpolation filter for all digital receiver" On the interpolation problem of full response modulation signals. Journal of Electronics, 1998, 15, 150-157.	0.2	1
195	Multirate trellis coded modulation in multimedia communications. , 0, , .		1
196	Multirate trellis coded modulation schemes in multimedia communications. IEEE Transactions on Consumer Electronics, 2000, 46, 1034-1042.	3.6	1
197	A new discrete chirp Fourier transform. , 0, , .		1
198	Iterative phase recovery method of turbo-coded 16QAM based on soft symbol to bit mapping. , 0, , .		1

#	ARTICLE	IF	CITATIONS
199	The optimal power allocation policies with perfect channel side information and buffer state information. , 0, , .		1
200	A novel Scheduling Scheme to enable Voice Packet Transmission with PCF over an IEEE 802.11 Wireless LAN. , 0, , .		1
201	An FPGA Implementation of A Structured Irregular LDPC Decoder. , 0, , .		1
202	On geometrical characteristics of wireless ad-hoc networks and its application to network performance analysis. , 2005, , .		1
203	On the Throughput-Delay Tradeoff in the Diamond Relay Networks. , 2008, , .		1
204	The Impact of Limited Information on Proportional Fair Scheduling in Wireless Networks. , 2010, , .		1
205	Solving the Single Rate 2-Pair Network Coding Problem with the A-Set Equation. , 2011, , .		1
206	On the multicast throughput for half-duplex butterfly network using deterministic approach. , 2012, , .		1
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