

Pingyi Fan

List of Publications by Year in descending order

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248
papers

3,928
citations

159585
30
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182427
51
g-index

248
all docs

248
docs citations

248
times ranked

3081
citing authors

#	ARTICLE	IF	CITATIONS
1	Federated Multiagent Actor-Critic Learning for Age Sensitive Mobile-Edge Computing. IEEE Internet of Things Journal, 2022, 9, 1053-1067.	8.7	56
2	AoI Penalty in Wireless-Powered Status Update Networks. IEEE Internet of Things Journal, 2022, 9, 474-484.	8.7	6
3	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
4	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
5	Average AoI 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
6	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
7	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
8	On the Coverage of UAV-Assisted SWIPT Networks With Nonlinear EH Model. IEEE Transactions on Wireless Communications, 2022, 21, 4464-4481.	9.2	11
9	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
10	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
11	Effective User Clustering and Power Control for Multiantenna Uplink NOMA Transmission. IEEE Transactions on Wireless Communications, 2022, 21, 8995-9009.	9.2	1
12	Diversity Learning: Introducing the Space-time Scheme to Ensemble Learning. , 2022, , .		1
13	Inverse Reinforcement Learning Meets Power Allocation in Multi-user Cellular Networks. , 2022, , .		5
14	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
15	Q-Learning-Based Adaptive Power Control in Wireless RF Energy Harvesting Heterogeneous Networks. IEEE Systems Journal, 2021, 15, 1861-1872.	4.6	15
16	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
17	Age-Optimal Service and Decision Processes in Internet of Things. IEEE Internet of Things Journal, 2021, 8, 2826-2841.	8.7	10
18	Achievable Information Rate in Hybrid VLC-RF Networks With Lighting Energy Harvesting. IEEE Transactions on Communications, 2021, 69, 6852-6864.	7.8	30

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19	Interpretable Generative Adversarial Networks With Exponential Function. IEEE Transactions on Signal Processing, 2021, 69, 3854-3867.	5.3	6
20	Soft Compression: An Approach to Shape Coding for Images. IEEE Communications Letters, 2021, 25, 798-801.	4.1	6
21	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
22	Age-constrained Energy Minimization in UAV-Assisted Wireless Powered Sensor Networks: A DQN-based Approach. , 2021, , .		4
23	An Edge Federated MARL Approach for Timeliness Maintenance in MEC Collaboration. , 2021, , .		7
24	A lossless compression method for multi-component medical images based on big data mining. Scientific Reports, 2021, 11, 12372.	3.3	12
25	Age-Aware Utility Maximization in Relay-Assisted Wireless Powered Communication Networks. Entropy, 2021, 23, 1177.	2.2	0
26	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
27	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
28	MIM-CS: Message Importance Measure for Compressed Sensing. , 2021, , .		1
29	Soft Compression for Lossless Image Coding Based on Shape Recognition. Entropy, 2021, 23, 1680.	2.2	5
30	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
31	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
32	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
33	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
34	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
35	Age-Energy Region in Wireless Powered Communication Networks. , 2020, , .		8
36	Max-Min Energy Balance in Wireless-Powered Hierarchical Fog-Cloud Computing Networks. IEEE Transactions on Wireless Communications, 2020, 19, 7064-7080.	9.2	33

#	ARTICLE	IF	CITATIONS
37	Minimum Age-Energy Aware Cost in Wireless Powered Fog Computing Networks. , 2020, , .		4
38	Flexible Effective Sample Size Based on the Message Importance Measure. IEEE Open Journal of Signal Processing, 2020, 1, 216-229.	3.5	2
39	Energy Harvesting Powered Sensing in IoT: Timeliness Versus Distortion. IEEE Internet of Things Journal, 2020, 7, 10897-10911.	8.7	16
40	An Importance Aware Weighted Coding Theorem Using Message Importance Measure. IEEE Communications Letters, 2020, 24, 1598-1601.	4.1	3
41	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
42	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
43	Storage Space Allocation Strategy for Digital Data with Message Importance. Entropy, 2020, 22, 591.	2.2	3
44	Information-Energy Region for SWIPT Networks in Mobility Scenarios. IEEE Transactions on Vehicular Technology, 2020, 69, 7264-7280.	6.3	6
45	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
46	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
47	Importance of Small Probability Events in Big Data: Information Measures, Applications, and Challenges. IEEE Access, 2019, 7, 100363-100382.	4.2	9
48	Machine Learning Based Prediction and Classification of Computational Jobs in Cloud Computing Centers. , 2019, , .		5
49	Wireless Powered Communication Networks Assisted by Multiple Fog Servers. , 2019, , .		4
50	Online Transmission Policy in Wireless Powered Networks with Urgency-aware Age of Information. , 2019, , .		11
51	Information-Energy Region of Mobile SWIPT Networks with Nonlinear EH Model. , 2019, , .		0
52	Optimal Design of SWIPT-Aware Fog Computing Networks. , 2019, , .		7
53	Minor Probability Events's Detection in Big Data: An Integrated Approach With Bayes Detection and MIM. IEEE Communications Letters, 2019, 23, 418-421.	4.1	6
54	Data Analysis on Outdoor's Indoor Air Quality Variation: Buildings's Producing Dynamic Filter Effects. IEEE Systems Journal, 2019, 13, 4386-4397.	4.6	8

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55	Matching Users' Preference under Target Revenue Constraints in Data Recommendation Systems. Entropy, 2019, 21, 205.	2.2	5
56	Attention to the Variation of Probabilistic Events: Information Processing with Message Importance Measure. Entropy, 2019, 21, 439.	2.2	5
57	Timely Two-Way Data Exchanging in Unilaterally Powered Fog Computing Systems. IEEE Access, 2019, 7, 21103-21117.	4.2	14
58	Fog-Assisted Multiuser SWIPT Networks: Local Computing or Offloading. IEEE Internet of Things Journal, 2019, 6, 5246-5264.	8.7	35
59	Age-Based Utility Maximization for Wireless Powered Networks: A Stackelberg Game Approach. , 2019, , .		9
60	Robust Energy-Efficient Beamforming in MISO Networks with Dynamic Energy Consumption Model. , 2019, , .		2
61	Towards Big Data Processing in IoT: Network Management for Online Edge Data Processing. , 2019, , .		3
62	Optimal Design of Wireless-Powered Hierarchical Fog-Cloud Computing Networks. , 2019, , .		3
63	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
64	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
65	To Smart City: Public Safety Network Design for Emergency. IEEE Access, 2018, 6, 1451-1460.	4.2	31
66	Beyond Empirical Models: Pattern Formation Driven Placement of UAV Base Stations. IEEE Transactions on Wireless Communications, 2018, 17, 3641-3655.	9.2	53
67	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
68	Secrecy Energy Efficiency in SWIPT Networks with Two-Layer Power-Splitting Receiver. , 2018, , .		2
69	SWIPT-Enabled NOMA Networks with Full-Duplex Relaying. , 2018, , .		4
70	Age of Information in Wireless Powered Networks in Low SNR Region for Future 5G. Entropy, 2018, 20, 948.	2.2	16
71	Age Upon Decisions with General Arrivals. , 2018, , .		7
72	Age of Information Upon Decisions. , 2018, , .		12

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73	State Variation Mining: On Information Divergence with Message Importance in Big Data. , 2018, , .		0
74	A Swarming Approach to Optimize the One-Hop Delay in Smart Driving Inter-Platoon Communications. Sensors, 2018, 18, 3307.	3.8	18
75	A Switch to the Concern of User: Importance Coefficient in Utility Distribution and Message Importance Measure. , 2018, , .		2
76	Big Data Viewpoint On Channel Information Measures Based on ACE Algorithm. , 2018, , .		0
77	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
78	Velocity-Adaptive V2I Fair-Access Scheme Based on IEEE 802.11 DCF for Platooning Vehicles. Sensors, 2018, 18, 4198.	3.8	20
79	SWIPT-Aware Fog Information Processing: Local Computing vs. Fog Offloading. Sensors, 2018, 18, 3291.	3.8	22
80	Information Theory in Formation Control: An Error Analysis to Multi-Robot Formation. Entropy, 2018, 20, 618.	2.2	3
81	Buildings' producing filter effect on PM _{2.5} data: A model-fitting approach. , 2018, , .		0
82	Uplink age of information of unilaterally powered two-way data exchanging systems. , 2018, , .		25
83	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
84	Recognizing Information Feature Variation: Message Importance Transfer Measure and Its Applications in Big Data. Entropy, 2018, 20, 401.	2.2	8
85	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
86	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
87	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
88	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
89	Capacity Region of Gaussian Multiple-Access Channels With Energy Harvesting and Energy Cooperation. IEEE Access, 2017, 5, 1570-1578.	4.2	13
90	Directivity-Beamwidth Tradeoff of Massive MIMO Uplink Beamforming for High Speed Train Communication. IEEE Access, 2017, 5, 5936-5946.	4.2	28

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91	RF Energy Harvesting Wireless Powered Sensor Networks for Smart Cities. IEEE Access, 2017, 5, 9348-9358.	4.2	77
92	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
93	Mobile Service Amount Based Link Scheduling for High-Mobility Cooperative Vehicular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9521-9533.	6.3	25
94	Service-Oriented Power Allocation for High-Speed Railway Wireless Communications. IEEE Access, 2017, 5, 8343-8356.	4.2	30
95	Towards 5G High Mobility: A Fairness-Adjustable Time-Domain Power Allocation Approach. IEEE Access, 2017, 5, 11817-11831.	4.2	20
96	Optimal Multicell Coordinated Beamforming for Downlink High-Speed Railway Communications. IEEE Transactions on Vehicular Technology, 2017, 66, 9603-9608.	6.3	18
97	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
98	Group Cooperation With Optimal Resource Allocation in Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2017, 16, 3840-3853.	9.2	83
99	Traffic Off-Loading With Energy-Harvesting Small Cells and Coded Content Caching. IEEE Transactions on Communications, 2017, 65, 906-917.	7.8	24
100	Resource Allocation in Wireless Powered Sensor Networks With Circuit Energy Consumption Constraints. IEEE Access, 2017, 5, 22775-22782.	4.2	18
101	Optimal Design of SWIPT Systems With Multiple Heterogeneous Users Under Non-linear Energy Harvesting Model. IEEE Access, 2017, 5, 11479-11489.	4.2	56
102	Optimal Resource Allocation in Wireless Powered Communication Networks With User Cooperation. IEEE Transactions on Wireless Communications, 2017, 16, 7936-7949.	9.2	37
103	Massive MIMO Beamforming With Transmit Diversity for High Mobility Wireless Communications. IEEE Access, 2017, 5, 23032-23045.	4.2	31
104	Multiple-Layer Power Allocation for Two-User Gaussian Interference Channel. IEEE Transactions on Vehicular Technology, 2017, 66, 9162-9176.	6.3	4
105	Optimal Beamforming and Power Splitting Design for SWIPT under Non-Linear Energy Harvesting Model. , 2017, , .		7
106	Focusing on a probability element: Parameter selection of message importance measure in big data. , 2017, , .		10
107	The Effect of Power Adjustment on Handover in High-Speed Railway Communication Networks. IEEE Access, 2017, 5, 26237-26250.	4.2	20
108	Wireless Communications With RF-Based Energy Harvesting: From Information Theory to Green Systems. IEEE Access, 2017, 5, 27538-27550.	4.2	4

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109	Semi-centralized control for multi robot formation. , 2017, , .		11
110	Amplifying Inter-Message Distance: On Information Divergence Measures in Big Data. IEEE Access, 2017, 5, 24105-24119.	4.2	10
111	Non-parametric message important measure: Compressed storage design for big data in wireless communication systems. , 2017, , .		3
112	Energy-Efficient 3D UAV-BS Placement versus Mobile Users' Density and Circuit Power. , 2017, , .		35
113	Differential services in HSR communication systems: Power allocation and antenna selection. , 2017, , .		6
114	Optimal event-triggered strategy for energy harvesting mobile transmission. , 2017, , .		0
115	SWIPT for MISO Wiretap Networks: Channel Uncertainties and Nonlinear Energy Harvesting Features. , 2017, , .		3
116	Cooperation in 5G Heterogeneous Networking: Relay Scheme Combination and Resource Allocation. IEEE Transactions on Communications, 2016, 64, 3430-3443.	7.8	23
117	Deploying Multiple Antennas on High-Speed Trains: Equidistant Strategy vs. Fixed-Interval Strategy. , 2016, , .		3
118	Energy-Efficient Resource Allocation in OFDM Relay Networks under Proportional Rate Constraints. , 2016, , .		10
119	Position-Based Power Allocation for Uplink HSRs Wireless Communication When Two Trains Encounter. , 2016, , .		6
120	Message Importance Measure and Its Application to Minority Subset Detection in Big Data. , 2016, , .		17
121	Optimal Byzantine Attack and Byzantine Identification in Distributed Sensor Networks. , 2016, , .		2
122	Evaluation Framework for User Experience in 5G Systems: On Systematic Rateless-Coded Transmissions. IEEE Access, 2016, 4, 9108-9118.	4.2	13
123	Smart Channel Sounder for 5G IoT: From Wireless Big Data to Active Communication. IEEE Access, 2016, 4, 8888-8899.	4.2	28
124	Energy Efficiency With Proportional Rate Fairness in Multirelay OFDM Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 1431-1447.	14.0	71
125	Novel degree function over finite field for LT codes. , 2016, , .		3
126	Subcarrier grouping with environmental sensing for MIMOâ€œOFDM systems over correlated doubleâ€œselective fading channels. Wireless Communications and Mobile Computing, 2016, 16, 2677-2689.	1.2	3

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127	Location-Aided Umbrella-Shaped Massive MIMO Beamforming Scheme with Transmit Diversity for High Speed Railway Communications. , 2016, , .		11
128	Tracking angles of departure and arrival in a mobile millimeter wave channel. , 2016, , .		124
129	Location-Aware Low Complexity ICI Reduction in OFDM Downlinks for High-Speed Railway Communication Systems with Distributed Antennas. , 2016, , .		12
130	Remote Antenna Unit Selection Assisted Seamless Handover for High-Speed Railway Communications with Distributed Antennas. , 2016, , .		8
131	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
132	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
133	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
134	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
135	Network coding tree algorithm for multiple access system. , 2015, , .		0
136	Downlink resource allocation for the high-speed train and local users in OFDMA systems. , 2015, , .		3
137	Power allocation for mixed traffic broadcast with service outage constraint. , 2015, , .		0
138	Service-based high-speed railway base station arrangement. Wireless Communications and Mobile Computing, 2015, 15, 1681-1694.	1.2	22
139	General hardware framework of Nakagami m parameter estimator for wireless fading channel. , 2015, , .		5
140	On the power allocation for hybrid DF and CF protocol with auxiliary parameter in fading relay channels. , 2015, , .		0
141	Outage Performance of Space-Time Network Coding With Overhearing AF Relays. IEEE Communications Letters, 2015, 19, 2234-2237.	4.1	7
142	Position-based diversity and multiplexing analysis for high speed railway communications. , 2015, , .		11
143	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
144	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

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145	QoS-distinguished achievable rate region for high speed railway wireless communications. , 2015, , .		4
146	Energy harvesting sensor networks with a mobile control center: Optimal transmission policy. , 2015, , .		2
147	Hardware implementation on m parameter ML estimation of Nakagami-m fading channel. , 2015, , .		3
148	Power-space functions in high speed railway wireless communications. Journal of Communications and Networks, 2015, 17, 231-240.	2.6	55
149	On the cooperation gain in 5g heterogeneous networking systems. , 2015, , .		1
150	A hybrid DF and CF scheme with adaptive power allocation for half-duplex relay channel. , 2015, , .		2
151	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
152	Precoding with adaptive subcarrier grouping in MIMO-OFDM systems. , 2014, , .		4
153	Novel ML estimation of m parameter of the noisy Nakagami-m channel. , 2014, , .		5
154	On the achievable rates of full-duplex Gaussian relay channel. , 2014, , .		1
155	On the achievable sum rate of Gaussian interference channel via Gaussian signaling. , 2014, , .		1
156	Subband division for Gaussian relay channel. , 2014, , .		6
157	Providing Differentiated Services in Multiaccess Systems With and Without Queue State Information. IEEE Transactions on Communications, 2014, 62, 4387-4400.	7.8	6
158	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
159	High-Speed Railway Wireless Communications: Efficiency Versus Fairness. IEEE Transactions on Vehicular Technology, 2014, 63, 925-930.	6.3	97
160	Outage Probability of Space-Time Network Coding Over Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2014, 63, 1965-1970.	6.3	18
161	Differentiated services in wireless multiaccess systems: Rate allocation and power adjustment. , 2014, , .		0
162	Optimal Cooperative Beamforming Design for MIMO Decode-and-Forward Relay Channels. IEEE Transactions on Signal Processing, 2014, 62, 1476-1489.	5.3	39

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163	Space-Time Network Coding With Overhearing Relays. IEEE Transactions on Wireless Communications, 2014, 13, 3567-3582.	9.2	25
164	How channel fading affect the system service of high speed railway communications. , 2013, , .		5
165	An extended Fano's inequality for the finite blocklength coding. , 2013, , .		1
166	Outage probability of space-time network coding with amplify-and-forward relays. , 2013, , .		7
167	Queueing analysis for block fading Rayleigh channels in the low SNR regime. , 2013, , .		6
168	Multicast for asymmetrical half-duplex butterfly network: A deterministic approach. , 2013, , .		2
169	Resource allocation for two-way relay networks with symmetric data rates: An information theoretic approach. , 2013, , .		7
170	Optimal beamforming for MIMO decode-and-forward relay channels. , 2012, , .		2
171	Performance analysis for buffer-aided communication over block Rayleigh fading channels: queue length distribution, overflow probability, and μ -overflow rate. Wireless Communications and Mobile Computing, 2012, 12, 1581-1591.	1.2	3
172	On the multicast throughput for half-duplex butterfly network using deterministic approach. , 2012, , .		1
173	μ -overflow rate: Buffer-aided information transmission over Nakagami-m fading channels. , 2012, , .		3
174	Doppler frequency offsets estimation and diversity reception scheme of high speed railway with multiple antennas on separated carriages. , 2012, , .		18
175	Novel hybrid asymmetry modulation scheme for fountain codes. , 2012, , .		1
176	Joint subcarrier-pairing and resource allocation for two-way multi-relay OFDM networks. , 2012, , .		15
177	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
178	Cooperative transmission in wireless sensor networks: Power attenuation vs link scheduling. , 2011, , .		0
179	On rate regions for broadcast relay channels. , 2011, , .		0
180	Solving the Single Rate 2-Pair Network Coding Problem with the A-Set Equation. , 2011, , .		1

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181	Joint Channel Probing and Proportional Fair Scheduling in Wireless Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3496-3505.	9.2	5
182	Understanding of transmission throughput and channel capacity in a systematic way. , 2011, , .		2
183	Cooperation-Based Opportunistic Network Coding in Wireless Butterfly Networks. , 2011, , .		5
184	Global Proportional Fair Scheduling for Networks With Multiple Base Stations. IEEE Transactions on Vehicular Technology, 2011, 60, 1867-1879.	6.3	39
185	Energy Detection Based Signal-Time Coding for AWGN Relay Networks. , 2011, , .		2
186	Cooperative multi-source-multi-destination transmission system with relay selection. , 2011, , .		2
187	End-to-End Delay Constrained Routing and Scheduling for Wireless Sensor Networks. , 2011, , .		15
188	The deterministic time-linearity of service provided by Rayleigh fading channels. , 2011, , .		5
189	Optimal dual-cast beamforming for network coding-based two-way relay transmission. , 2011, , .		0
190	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
191	Delay-Constrained Optimal Link Scheduling in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 4564-4577.	6.3	28
192	Optimal Scheduling for Network Coding: Delay v.s. Efficiency. , 2010, , .		11
193	The Effect of Random Encoding Generators on the Performance of LT Codes. , 2010, , .		0
194	Achieving Network Wide Proportional Fairness: A Pricing Method. , 2010, , .		2
195	The Impact of Limited Information on Proportional Fair Scheduling in Wireless Networks. , 2010, , .		1
196	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
197	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
198	A Signal-Time Coding Approach to Relay Networks. , 2009, , .		2

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199	Capacity and Delay of the Wireless Network with Special Relay Nodes. , 2008, , .		0
200	An Optimal Antenna Assignment Strategy for Information Raining. IEEE Transactions on Wireless Communications, 2008, 7, 1134-1139.	9.2	5
201	On the Throughput-Delay Tradeoff in the Diamond Relay Networks. , 2008, , .		1
202	On Energy Spreading Transform Based MIMO Systems: Capacity and Diversity. , 2008, , .		0
203	A Network Coding Unicast Strategy for Wireless Multi-Hop Networks. , 2007, , .		7
204	Congestion and Access Control Policies of Multi-Priority Instant Services for IP-Based CDMA Radio Access Networks. , 2007, , .		0
205	A Combination Scheme of Topology Control and Channel Assignment in Wireless Ad Hoc Networks. , 2007, , .		2
206	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
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