

# Zhisheng Niu

## List of Publications by Year in descending order

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Version: 2024-02-01

280  
papers

5,450  
citations

159585

30  
h-index

182427

51  
g-index

283  
all docs

283  
docs citations

283  
times ranked

4072  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Predictive Frame Transmission Scheme for Cloud Gaming in Mobile Edge Cloudlet Systems. IEEE Transactions on Mobile Computing, 2023, 22, 3774-3789.	5.8	1
2	Status Update for Accurate Remote Estimation: Centralized and Decentralized Schemes. IEICE Transactions on Communications, 2022, E105.B, 131-139.	0.7	0
3	Dynamic Scheduling for Over-the-Air Federated Edge Learning With Energy Constraints. IEEE Journal on Selected Areas in Communications, 2022, 40, 227-242.	14.0	40
4	Coded Computation Across Shared Heterogeneous Workers With Communication Delay. IEEE Transactions on Signal Processing, 2022, 70, 3371-3385.	5.3	5
5	Distributed Task Replication for Vehicular Edge Computing: Performance Analysis and Learning-Based Algorithm. IEEE Transactions on Wireless Communications, 2021, 20, 1138-1151.	9.2	37
6	Joint Device Scheduling and Resource Allocation for Latency Constrained Wireless Federated Learning. IEEE Transactions on Wireless Communications, 2021, 20, 453-467.	9.2	187
7	Sensing and Communication Co-Design for Status Update in Multiaccess Wireless Networks. IEEE Transactions on Mobile Computing, 2021, , 1-1.	5.8	3
8	Age-Optimal Scheduling for Heterogeneous Traffic With Timely Throughput Constraints. IEEE Journal on Selected Areas in Communications, 2021, 39, 1485-1498.	14.0	21
9	A UoI-Optimal Policy for Timely Status Updates with Resource Constraint. Entropy, 2021, 23, 1084.	2.2	2
10	SMART: Situationally-Aware Multi-Agent Reinforcement Learning-Based Transmissions. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1430-1443.	7.9	1
11	Device Scheduling and Resource Allocation for Federated Learning under Delay and Energy Constraints. , 2021, , .		2
12	Channel Fingerprint Based Beam Tracking for Millimeter Wave Communications. IEEE Communications Letters, 2020, 24, 639-643.	4.1	5
13	Age-Optimal Scheduling for Heterogeneous Traffic with Timely-Throughput Constraint. , 2020, , .		2
14	Device Scheduling with Fast Convergence for Wireless Federated Learning. , 2020, , .		108
15	Closed-Form Whittle's Index-Enabled Random Access for Timely Status Update. IEEE Transactions on Communications, 2020, 68, 1538-1551.	7.8	70
16	Urgency of Information for Context-Aware Timely Status Updates in Remote Control Systems. IEEE Transactions on Wireless Communications, 2020, 19, 7237-7250.	9.2	36
17	Green Communication and Networking: A New Horizon. IEEE Transactions on Green Communications and Networking, 2020, 4, 629-630.	5.5	16
18	1 A Deep Reinforcement Learning Framework to Combat Dynamic Blockage in mmWave V2X Networks. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
19	Beyond Age: Urgency of Information for Timeliness Guarantee in Status Update Systems. , 2020, , .		14
20	AI-Assisted Low Information Latency Wireless Networking. IEEE Wireless Communications, 2020, 27, 108-115.	9.0	38
21	SENATE: A Permissionless Byzantine Consensus Protocol in Wireless Networks for Real-Time Internet-of-Things Applications. IEEE Internet of Things Journal, 2020, 7, 6576-6588.	8.7	11
22	SFC-Based Service Provisioning for Reconfigurable Space-Air-Ground Integrated Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 1478-1489.	14.0	84
23	Energy-Efficient Massive MIMO With Decentralized Precoder Design. IEEE Transactions on Vehicular Technology, 2020, 69, 15370-15384.	6.3	4
24	Timely Status Update Based on Urgency of Information with Statistical Context. , 2020, , .		0
25	Joint Optimization of Scheduling and Power Control in Wireless Networks: Multi-Dimensional Modeling and Decomposition. IEEE Transactions on Mobile Computing, 2019, 18, 1585-1600.	5.8	16
26	A Unified Sampling and Scheduling Approach for Status Update in Multiaccess Wireless Networks. , 2019, , .		38
27	Closed-Form Analysis of Non-Linear Age of Information in Status Updates With an Energy Harvesting Transmitter. IEEE Transactions on Wireless Communications, 2019, 18, 4129-4142.	9.2	78
28	Distributed Policy Learning Based Random Access for Diversified QoS Requirements. , 2019, , .		10
29	Scalable Multi-Agent Learning for Situationally-Aware Multiple-Access and Grant-Free Transmissions. , 2019, , .		5
30	Adaptive Learning-Based Task Offloading for Vehicular Edge Computing Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 3061-3074.	6.3	234
31	Only Those Requested Count: Proactive Scheduling Policies for Minimizing Effective Age-of-Information. , 2019, , .		35
32	Learning-Based Remote Channel Inference: Feasibility Analysis and Case Study. IEEE Transactions on Wireless Communications, 2019, 18, 3554-3568.	9.2	10
33	Exploiting Moving Intelligence: Delay-Optimized Computation Offloading in Vehicular Fog Networks. IEEE Communications Magazine, 2019, 57, 49-55.	6.1	68
34	Intermittent CSI Update for Massive MIMO Systems With Heterogeneous User Mobility. IEEE Transactions on Communications, 2019, 67, 4811-4824.	7.8	12
35	Exploiting Wireless Channel State Information Structures Beyond Linear Correlations: A Deep Learning Approach. IEEE Communications Magazine, 2019, 57, 28-34.	6.1	34
36	Optimizing Information Freshness in Broadcast Network with Unreliable Links and Random Arrivals: An Approximate Index Policy. , 2019, , .		17

#	ARTICLE	IF	CITATIONS
37	Context-Aware Information Lapse for Timely Status Updates in Remote Control Systems. , 2019, , .		12
38	Service Function Chain Planning with Resource Balancing in Space-Air-Ground Integrated Networks. , 2019, , .		2
39	Timely Status Update in Wireless Uplinks: Analytical Solutions With Asymptotic Optimality. IEEE Internet of Things Journal, 2019, 6, 3885-3898.	8.7	73
40	Security Analysis of Mobile Device-to-Device Network Applications. IEEE Internet of Things Journal, 2019, 6, 2922-2932.	8.7	17
41	Task Replication for Deadline-Constrained Vehicular Cloud Computing: Optimal Policy, Performance Analysis, and Implications on Road Traffic. IEEE Internet of Things Journal, 2018, 5, 93-107.	8.7	70
42	Optimal Discrete Spatial Compression for BeamSpace Massive MIMO Signals. IEEE Transactions on Signal Processing, 2018, 66, 2480-2493.	5.3	6
43	Task Replication for Vehicular Edge Computing: A Combinatorial Multi-Armed Bandit Based Approach. , 2018, , .		39
44	TIME-SEQUENCE CHANNEL INFERENCE FOR BEAM ALIGNMENT IN VEHICULAR NETWORKS. , 2018, , .		10
45	Improved Scaling Law for Status Update Timeliness in Massive IoT by Elastic Spatial Multiplexing. , 2018, , .		4
46	Inferring Remote Channel State Information: Cram�r-Rae Lower Bound and Deep Learning Implementation. , 2018, , .		11
47	Can Decentralized Status Update Achieve Universally Near-Optimal Age-of-Information in Wireless Multiaccess Channels?. , 2018, , .		62
48	A Two-Step Learning and Interpolation Method for Location-Based Channel Database Construction. , 2018, , .		10
49	Joint Optimization of Cache Allocation and Content Placement in Urban Vehicular Networks. , 2018, , .		6
50	Mode Selection in UAV-aided Vehicular Network: an Evolutionary Game Approach. , 2018, , .		3
51	Data-Driven User Complaint Prediction for Mobile Access Networks. Journal of Communications and Information Networks, 2018, 3, 9-19.	5.2	1
52	Optimal Sleeping Mechanism for Multiple Servers With MMPP-Based Bursty Traffic Arrival. IEEE Wireless Communications Letters, 2018, 7, 436-439.	5.0	6
53	A Risk-Sensitive Approach for Packet Inter-Delivery Time Optimization in Networked Cyber-Physical Systems. IEEE/ACM Transactions on Networking, 2018, 26, 1976-1989.	3.8	17
54	Learning-Based Task Offloading for Vehicular Cloud Computing Systems. , 2018, , .		78

#	ARTICLE	IF	CITATIONS
55	DeepNap: Data-Driven Base Station Sleeping Operations Through Deep Reinforcement Learning. IEEE Internet of Things Journal, 2018, 5, 4273-4282.	8.7	61
56	Joint Resource Provisioning for Internet Datacenters with Diverse and Dynamic Traffic. IEEE Transactions on Cloud Computing, 2017, 5, 71-84.	4.4	11
57	Pilot-Data Superposition for Beam-Based FDD Massive MIMO Downlinks. IEEE Communications Letters, 2017, 21, 1357-1360.	4.1	8
58	A Wait-and-See Two-Threshold Optimal Sleeping Policy for a Single Server With Bursty Traffic. IEEE Transactions on Green Communications and Networking, 2017, 1, 528-540.	5.5	5
59	Tasks scheduling and resource allocation in heterogeneous cloud for delay-bounded mobile edge computing. , 2017, , .		79
60	Deep learning based optimization in wireless network. , 2017, , .		36
61	Antenna-beam spatial transformation in c-RAN with large antenna arrays. , 2017, , .		8
62	Mobility-aware coded-caching scheme for small cell network. , 2017, , .		7
63	Policy Optimization for Content Push via Energy Harvesting Small Cells in Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2017, 16, 717-729.	9.2	36
64	Energy Efficient Optimization for Computation Offloading in Fog Computing System. , 2017, , .		84
65	Cooperative Edge Caching in Software-Defined Hyper-Cellular Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2596-2605.	14.0	67
66	Elastic local breakout strategy and implementation for delay-sensitive packets with local significance. , 2017, , .		1
67	How Often Should CSI Be Updated for Massive MIMO Systems with Massive Connectivity?. , 2017, , .		4
68	A block coordinated update method for beam-based massive MIMO downlink scheduling based on statistical CSI. , 2017, , .		2
69	Remote Channel Inference for Beamforming in Ultra-Dense Hyper-Cellular Network. , 2017, , .		8
70	Proactive Content Push in Heterogeneous Networks with Multiple Energy Harvesting Small Cells. , 2017, , .		1
71	Scalable Non-Orthogonal Pilot Design for Massive MIMO Systems with Massive Connectivity. , 2016, , .		9
72	On the online minimization of completion time in an energy harvesting system. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
73	Joint optimization of content caching and push in renewable energy powered small cells. , 2016, , .		7
74	An index based task assignment policy for achieving optimal power-delay tradeoff in edge cloud systems. , 2016, , .		51
75	Pricing policy and computational resource provisioning for delay-aware mobile edge computing. , 2016, , .		30
76	Optimal Operation of a Green Server with Bursty Traffic. , 2016, , .		5
77	Statistical Multiplexing Gain Analysis of Heterogeneous Virtual Base Station Pools in Cloud Radio Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 5681-5694.	9.2	46
78	Software-defined hyper-cellular architecture for green and elastic wireless access. , 2016, 54, 12-19.		47
79	Delay-Constrained Energy-Optimal Base Station Sleeping Control. IEEE Journal on Selected Areas in Communications, 2016, 34, 1073-1085.	14.0	69
80	Base-Station Sleeping Control and Power Matching for Energyâ€“Delay Tradeoffs With Bursty Traffic. IEEE Transactions on Vehicular Technology, 2016, 65, 3657-3675.	6.3	68
81	Energy-efficient task offloading for multiuser mobile cloud computing. , 2015, , .		30
82	A simulation study of hyper-cellular architecture with dynamic temporal and spatial traffic. , 2015, , .		1
83	Seeing the Unobservable: Channel Learning for Wireless Communication Networks. , 2015, , .		22
84	Proactive push with energy harvesting based small cells in heterogeneous networks. , 2015, , .		10
85	Optimal energy-efficient regular delivery of packets in cyber-physical systems. , 2015, , .		6
86	Spatial Traffic Shaping in Heterogeneous Cellular Networks with Energy Harvesting. , 2015, , .		2
87	Topic model based behaviour modeling and clustering analysis for wireless network users. , 2015, , .		6
88	A block regression model for short-term mobile traffic forecasting. , 2015, , .		12
89	RF chain and user selection for multiuser MIMO systems under random data arrival. , 2015, , .		1
90	A Cooperative Scheduling Scheme of Local Cloud and Internet Cloud for Delay-Aware Mobile Cloud Computing. , 2015, , .		101

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91	User scheduling in pilot-assisted TDD multiuser MIMO systems. , 2015, , .		0
92	On the Spatial Distribution of Base Stations and Its Relation to the Traffic Density in Cellular Networks. IEEE Access, 2015, 3, 998-1010.	4.2	71
93	On dimensionality loss in FDD massive MIMO systems. , 2015, , .		2
94	Graph-based framework for flexible baseband function splitting and placement in C-RAN. , 2015, , .		47
95	Optimal Green Energy Utilization in MIMO Systems With Hybrid Energy Supplies. IEEE Transactions on Vehicular Technology, 2015, 64, 3675-3688.	6.3	22
96	Achievable Rates of FDD Massive MIMO Systems With Spatial Channel Correlation. IEEE Transactions on Wireless Communications, 2015, 14, 2868-2882.	9.2	188
97	Outage Minimization for a Fading Wireless Link With Energy Harvesting Transmitter and Receiver. IEEE Journal on Selected Areas in Communications, 2015, 33, 496-511.	14.0	49
98	A High Reliability Asymptotic Approach for Packet Inter-Delivery Time Optimization in Cyber-Physical Systems. , 2015, , .		8
99	HyCell: Enabling GREEN base station operations in software-defined radio access networks. , 2015, , .		7
100	Energy-efficient orthogonal frequency division multiplexing scheme based on time-frequency joint channel estimation. IET Communications, 2014, 8, 3406-3413.	2.2	10
101	Energy-delay tradeoffs of virtual base stations with a computational-resource-aware energy consumption model. , 2014, , .		37
102	Downlink base station cooperation with energy harvesting. , 2014, , .		2
103	On the statistical multiplexing gain of virtual base station pools. , 2014, , .		31
104	Energy-efficiency and spectrum-efficiency tradeoff in coordinated small-cell networks. , 2014, , .		1
105	Energy-efficient antenna selection and power allocation for large-scale multiple antenna systems with hybrid energy supply. , 2014, , .		15
106	Base Station Sleeping and Resource Allocation in Renewable Energy Powered Cellular Networks. IEEE Transactions on Communications, 2014, 62, 3801-3813.	7.8	138
107	Dynamic Channel Acquisition in MU-MIMO. IEEE Transactions on Communications, 2014, 62, 4336-4348.	7.8	6
108	Solar radiation prediction and energy allocation for energy harvesting base stations. , 2014, , .		17

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109	A practical channel allocation scheme based on the weighted conflict graph in heterogeneous networks. , 2014, , .		1
110	Base station sleeping control and power matching analysis using extended G/M/1 queueing model. , 2014, , .		0
111	Bit division multiplexing for MIMO broadcasting system. , 2014, , .		1
112	Power control policies for a wireless link with energy harvesting transmitter and receiver. , 2014, , .		5
113	Energy efficient user grouping and scheduling for collaborative mobile cloud. , 2014, , .		8
114	Energy-Efficient Sleep Scheduling for Delay-Constrained Applications Over WLANs. IEEE Transactions on Vehicular Technology, 2014, 63, 2048-2058.	6.3	27
115	Seeing the Unobservable: Channel Learning for Wireless Communication Networks. , 2014, , .		2
116	Spatial Traffic Shaping in Heterogeneous Cellular Networks with Energy Harvesting. , 2014, , .		0
117	Traffic-Aware Network Planning and Green Operation with BS Sleeping and Cell Zooming. IEICE Transactions on Communications, 2014, E97.B, 2337-2346.	0.7	10
118	On precoding for overlapped clustering in a measured urban macrocellular environment. Science China Information Sciences, 2013, 56, 1-10.	4.3	3
119	Improving the Energy Efficiency of Two-Tier Heterogeneous Cellular Networks through Partial Spectrum Reuse. IEEE Transactions on Wireless Communications, 2013, 12, 4129-4141.	9.2	52
120	Energy-Aware Resource Allocation for Energy Harvesting Wireless Communication Systems. , 2013, , .		17
121	Optimal wake-up mechanism for single base station with sleep mode. , 2013, , .		22
122	Minimum power consumption of a base station with large-scale antenna array. , 2013, , .		2
123	An energy-efficient antenna muting scheme for 60GHz wireless networks. , 2013, , .		1
124	Joint optimization of frequency allocation and user association with differentiated service in hyper-cellular networks. , 2013, , .		0
125	Load Balancing by Dynamic Base Station Relay Station Associations in Cellular Networks. IEEE Wireless Communications Letters, 2013, 2, 155-158.	5.0	10
126	Spatial-Temporal Water-Filling power allocation in MIMO systems with harvested energy. , 2013, , .		5



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127	Recursive Geometric Water-filling for wireless links with hybrid energy systems. , 2013, , .		3
128	Energy Saving in Cellular Networks by Dynamic RS&#x201c;BS Association and BS Switching. IEEE Transactions on Vehicular Technology, 2013, 62, 4602-4614.	6.3	21
129	An energy-efficient user scheduling scheme for multiuser MIMO systems with RF chain sleeping. , 2013, , .		13
130	Optimal Power Allocation for Energy Harvesting and Power Grid Coexisting Wireless Communication Systems. IEEE Transactions on Communications, 2013, 61, 3040-3049.	7.8	89
131	Traffic-Aware Base Station Sleeping Control and Power Matching for Energy-Delay Tradeoffs in Green Cellular Networks. IEEE Transactions on Wireless Communications, 2013, 12, 4196-4209.	9.2	127
132	CHORUS: a framework for scalable collaboration in heterogeneous networks with cognitive synergy. IEEE Wireless Communications, 2013, 20, 133-139.	9.0	12
133	Spatial modeling of Scalable Spatially-correlated Log-normal distributed traffic inhomogeneity and energy-efficient network planning. , 2013, , .		2
134	Sleep control for base stations powered by heterogeneous energy sources. , 2013, , .		30
135	Utility optimal scheduling in energy cooperation networks powered by renewable energy. , 2013, , .		2
136	A Novel Precoding Scheme for Dynamic Base Station Cooperation with Overlapped Clusters. IEICE Transactions on Communications, 2013, E96.B, 656-659.	0.7	8
137	Traffic-aware power adaptation and base station sleep control for energy-delay tradeoffs in green cellular networks. , 2012, , .		7
138	Capacity bounds of downlink network MIMO systems with inter-cluster interference. , 2012, , .		4
139	Optimal base station density for energy-efficient heterogeneous cellular networks. , 2012, , .		67
140	Energy efficient base station deployment in green cellular networks with traffic variations. , 2012, , .		17
141	An energy-efficient client pre-caching scheme with wireless multicast for video-on-demand services. , 2012, , .		22
142	CHORUS: Collaborative and harmonized open radio ubiquitous systems. , 2012, , .		1
143	On energy-delay tradeoff in base station sleep mode operation. , 2012, , .		13
144	&#x03B2;-PSR: A Partial Spectrum Reuse scheme for two-tier heterogeneous cellular networks. , 2012, , .		1

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145	Energy-efficient multicast with deadlines in wireless networks via lazy rate scheduling. , 2012, , .		2
146	Improving network throughput in 60GHz WLANs via multi-AP diversity. , 2012, , .		25
147	Energy-Aware Network Planning for Wireless Cellular System with Inter-Cell Cooperation. IEEE Transactions on Wireless Communications, 2012, 11, 1412-1423.	9.2	53
148	A Dynamic Programming Approach for Base Station Sleeping in Cellular Networks. IEICE Transactions on Communications, 2012, E95-B, 551-562.	0.7	37
149	An Optimal Hysteretic Control Policy for Energy Saving in Cloud Computing. , 2011, , .		4
150	A traffic-aware dynamic energy-saving scheme for cellular networks with heterogeneous traffic. , 2011, , .		5
151	Distributed Adaptation of Quantized Feedback for Downlink Network MIMO Systems. IEEE Transactions on Wireless Communications, 2011, 10, 61-67.	9.2	30
152	Toward dynamic energy-efficient operation of cellular network infrastructure. , 2011, 49, 56-61.		472
153	Multi-Hop Relay Network for Base Station Energy Saving and Its Performance Evaluation. , 2011, , .		5
154	Queuing on Energy-Efficient Wireless Transmissions with Adaptive Modulation and Coding. , 2011, , .		6
155	Energy-Efficient Cellular Network Planning under Insufficient Cell Zooming. , 2011, , .		49
156	Joint Scheduling and Dynamic Clustering in Downlink Cellular Networks. , 2011, , .		24
157	On Optimal Relay Placement and Sleep Control to Improve Energy Efficiency in Cellular Networks. , 2011, , .		37
158	Queueing Delay and Energy Efficiency Analyses of Sleep Based Power Saving Mechanism. IEICE Transactions on Communications, 2010, E93-B, 1069-1072.	0.7	6
159	Resource Allocation in Multi-cell OFDMA-based Relay Networks. , 2010, , .		46
160	Local repair mechaism for reliable multicast in Integrated Communication and Broadcast Networks with scalability. , 2010, , .		0
161	A New Relay Based Dynamic Load Balancing Scheme in Cellular Networks. , 2010, , .		15
162	Energy Saving Performance Comparison of Coordinated Multi-Point Transmission and Wireless Relaying. , 2010, , .		67

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163	Traffic-aware base station sleeping in dense cellular networks. , 2010, , .		42
164	Energy-Conserving Scheduling in Multi-hop Wireless Networks with Time-Varying Channels. , 2010, , .		4
165	A Decentralized Clustering Scheme for Dynamic Downlink Base Station Cooperation. IEICE Transactions on Communications, 2010, E93-B, 3656-3659.	0.7	4
166	Distributed Medium Access Control with SDMA Support for WLANs. IEICE Transactions on Communications, 2010, E93-B, 961-970.	0.7	13
167	Distributed Physical Carrier Sensing Adaptation Scheme in Cooperative MAP WLAN. , 2009, , .		4
168	A repair mechanism for reliable multicast in Integrated Communication and Broadcast Networks. , 2009, , .		2
169	A graph theory based opportunistic link scheduling for wireless ad hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 5075-5085.	9.2	12
170	A cooperative MAC protocol with virtual-antenna array support in a multi-AP WLAN system. IEEE Transactions on Wireless Communications, 2009, 8, 4806-4814.	9.2	16
171	A Decentralized Framework for Dynamic Downlink Base Station Cooperation. , 2009, , .		29
172	Distributed Interference-Aware Scheduling Schemes for High-Density WLAN. , 2009, , .		1
173	Leveraging multi-AP diversity for transmission resilience in wireless networks: architecture and performance analysis. IEEE Transactions on Wireless Communications, 2009, 8, 5030-5040.	9.2	21
174	Interference-aware relay selection for multiple source-destination cooperative networks. , 2009, , .		13
175	Delay analysis for sleep-based power saving mechanisms with downlink and uplink traffic. IEEE Communications Letters, 2009, 13, 615-617.	4.1	7
176	A Modified p-Persistent Model for CSMA-Based Wireless Networks with Pseudo Capture Effect. IEICE Transactions on Communications, 2009, E92-B, 3520-3523.	0.7	0
177	Two-Level cross-talked admission control mechanism for QoS guarantee in 802.11e EDCA. Tsinghua Science and Technology, 2008, 13, 741-746.	6.1	0
178	QoS-Aware Cooperative and Opportunistic Scheduling Exploiting Multiuser Diversity for Rate-Adaptive Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 1113-1125.	6.3	15
179	On Optimal QoS-aware Physical Carrier Sensing for IEEE 802.11 Based WLANs: Theoretical Analysis and Protocol Design. IEEE Transactions on Wireless Communications, 2008, 7, 1369-1378.	9.2	12
180	Performance analysis of transmit diversity in multiuser data networks with fading correlation. Journal of Communications and Networks, 2008, 10, 444-450.	2.6	1

#	ARTICLE	IF	CITATIONS
181	An Uplink Medium Access Protocol with SDMA Support for Multiple-Antenna WLANs. , 2008, , .		9
182	Nonpreemptive Constrained Link Scheduling in Wireless Mesh Networks. , 2008, , .		8
183	Priority Based Power Saving Mode in WLAN. , 2008, , .		5
184	TCP Performance Analysis over Aggressive Physical Carrier Sensing Based Wireless Local Area Networks. , 2007, , .		0
185	A MAC Layer ARQ Tuning Scheme to Optimize TCP Throughput in IEEE 802.11 Networks. , 2007, , .		1
186	QoS-aware Adaptive Physical Carrier Sensing for Wireless Networks. , 2007, , .		7
187	An analytical model for IEEE 802.11 WLANs with NAK-based ARQ mechanism. , 2007, , .		0
188	QoS Constrained, Cooperative and Opportunistic Transmission for Rate Adaptive Ad Hoc Networks. , 2007, , .		0
189	Sub Cluster Aided Data Collection in Multihop Wireless Sensor Networks. , 2007, , .		2
190	Buffer-Aware and Traffic-Dependent Packet Scheduling in Wireless OFDM Networks. , 2007, , .		18
191	End-to-End Throughput-Aware Channel Assignment in Multi-Radio Wireless Mesh Networks. , 2007, , .		11
192	A Hybrid DMB-T and WLAN Network for Broadband Wireless Access Services. , 2007, , .		8
193	Load-Aware Power Saving Mechanism in WLAN. , 2007, , .		3
194	A Cross-Layer Proportional Fair Scheduling Algorithm with Packet Length Constraint in Multiuser OFDM Networks. , 2007, , .		8
195	Error modeling and throughput analysis in integrated communication and broadcast networks. , 2007, , .		1
196	A Distributed Fair Auto Rate Medium Access Control for Wireless LANs. , 2007, , .		0
197	Graph Theoretical Analysis of Opportunistic Scheduling Policy for Wireless Ad Hoc Networks. , 2007, , .		1
198	A Channel Assignment Scheme in High Density WLANs to Mitigate Pseudo Capture Effect. , 2007, , .		6

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199	Random graph theory based connectivity analysis in wireless sensor networks with Rayleigh fading channels. , 2007, , .		17
200	Joint tuning of physical carrier sensing, power and rate in high-density WLAN. , 2007, , .		9
201	Spatial compatible user evaluation algorithm for space division multiplexing broadcast channels. Tsinghua Science and Technology, 2007, 12, 111-114.	6.1	0
202	Spatial compatible user grouping algorithm for multiuser MIMO systems. Journal of Electronics, 2007, 24, 257-260.	0.2	0
203	WLC08-4: A Fairness-based and Adaptive User Grouping and Subcarrier Allocation Algorithm for Grouped MC-CDMA Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	6
204	Practical Feedback Design based OFDM Link Adaptive Communications over Frequency Selective Channels. , 2006, , .		14
205	A multi-dimensional radio resource scheduling scheme for MIMO-OFDM wireless systems. Journal of Communications and Networks, 2006, 8, 401-409.	2.6	0
206	MIMO Broadcast Transmission with Outdated Channel State Information. , 2006, , .		4
207	An Adaptive User Grouping and Subcarrier Allocation Algorithm for Multiuser MC-CDMA Networks. , 2006, , .		1
208	WLC09-6: Adaptive Orthonormal Random Beamforming for Cellular Downlink with Multiple Antennas. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
209	Random Beamforming with Multi-beam Selection for MIMO Broadcast Channels. , 2006, , .		21
210	Bandwidth Management for Mixed Unicast and Multicast Multimedia Flows with Perception Based QoS Differentiation. , 2006, , .		9
211	Profit Oriented Multichannel Resource Management of Integrated Communication and Broadcast Networks. IEEE Transactions on Broadcasting, 2005, 51, 530-537.	3.2	2
212	Study of the TCP upstream/downstream unfairness issue with per-flow queuing over infrastructure-mode WLANs. Wireless Communications and Mobile Computing, 2005, 5, 459-471.	1.2	35
213	A channel-aware adaptive control to the MAC protocol in rate adaptive wireless LANs. Wireless Communications and Mobile Computing, 2005, 5, 983-994.	1.2	9
214	Satisfaction oriented resource management in integrated Internet and DVB-T network providing high mobility broadband access services. , 2005, , .		6
215	Profit oriented multichannel resource management for integrated Internet and DVB-T network. , 2005, , .		1
216	User-aware rate adaptive control for IEEE 802.11-based ad hoc networks. , 2005, , .		9

#	ARTICLE	IF	CITATIONS
217	Adaptive receive antenna selection for orthogonal space-time block codes with channel estimation errors. , 2005, , .		7
218	Cross-layer analysis of wireless TCP/ARQ systems over correlated channels. Journal of Communications and Networks, 2005, 7, 45-53.	2.6	2
219	A throughput-efficient and channel-adaptive scheduling scheme in voice/data DS-CDMA networks with transmission power constraints. Wireless Communications and Mobile Computing, 2003, 3, 879-894.	1.2	3
220	Uplink capacity optimization by power allocation for multimedia cdma networks with imperfect power control. IEEE Journal on Selected Areas in Communications, 2003, 21, 1585-1594.	14.0	9
221	A delayed multiple copy retransmission scheme for data communication in wireless networks. Journal of Communications and Networks, 2003, 5, 222-229.	2.6	5
222	A new discarding policy for balanced throughput and fairness based on per-VC EPD mechanism. , 1999, , .		0
223	Title is missing!. Queueing Systems, 1999, 31, 1-23.	0.9	49
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