Sheng Zhou

List of Publications by Year
in descending order

221 papers	6,245 citations	101543 36 h-index	110387 64 g-index
229 all docs	229 docs citations	229 times ranked	4808 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	Coverage analyses on directional transmissions ultra-dense networks with imperfect beam alignment. China Communications, 2022, 19, 318-328.	3.2	0
5	Timely and sustainable: Utilising correlation in status updates of battery-powered and energy-harvesting sensors using Deep Reinforcement Learning. Computer Communications, 2022, 192, 223-233.	5.1	2
6	Coded Computation Across Shared Heterogeneous Workers With Communication Delay. IEEE Transactions on Signal Processing, 2022, 70, 3371-3385.	5.3	5
7	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
8	Joint Device Scheduling and Resource Allocation for Latency Constrained Wireless Federated Learning. IEEE Transactions on Wireless Communications, 2021, 20, 453-467.	9.2	187
9	Error Analysis for Status Update From Sensors With Temporally and Spatially Correlated Observations. IEEE Transactions on Wireless Communications, 2021, 20, 2136-2149.	9.2	3
10	Age-Optimal Scheduling for Heterogeneous Traffic With Timely Throughput Constraints. IEEE Journal on Selected Areas in Communications, 2021, 39, 1485-1498.	14.0	21
11	Coded Computation Over Heterogeneous Workers With Random Task Arrivals. IEEE Communications Letters, 2021, 25, 2338-2342.	4.1	5
12	AoI-Delay Tradeoff in Mobile Edge Caching With Freshness-Aware Content Refreshing. IEEE Transactions on Wireless Communications, 2021, 20, 5329-5342.	9.2	21
13	A UoI-Optimal Policy for Timely Status Updates with Resource Constraint. Entropy, 2021, 23, 1084.	2.2	2
14	Guest Editorial Special Issue on Age of Information and Data Semantics for Sensing, Communication, and Control Co-Design in IoT. IEEE Internet of Things Journal, 2021, 8, 14431-14434.	8.7	1
15	SMART: Situationally-Aware Multi-Agent Reinforcement Learning-Based Transmissions. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1430-1443.	7.9	1
16	Device Scheduling and Resource Allocation for Federated Learning under Delay and Energy Constraints. , 2021, , .		2
17	On the Coverage and Capacity of Ultra-Dense Networks With Directional Transmissions. IEEE Wireless Communications Letters, 2020, 9, 271-275.	5.0	3
18	Near-Optimal MIMO-SCMA Uplink Detection With Low-Complexity Expectation Propagation. IEEE Transactions on Wireless Communications, 2020, 19, 1025-1037.	9.2	20

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19	Channel Fingerprint Based Beam Tracking for Millimeter Wave Communications. IEEE Communications Letters, 2020, 24, 639-643.	4.1	5
20	A 2.92-Gb/s/W and 0.43-Gb/s/MG Flexible and Scalable CGRA-Based Baseband Processor for Massive MIMO Detection. IEEE Journal of Solid-State Circuits, 2020, 55, 505-519.	5.4	25
21	Age-Optimal Scheduling for Heterogeneous Traffic with Timely-Throughput Constraint. , 2020, , .		2
22	Device Scheduling with Fast Convergence for Wireless Federated Learning. , 2020, , .		108
23	Adaptive Transmission for Edge Learning via Training Loss Estimation. , 2020, , .		1
24	Closed-Form Whittle's Index-Enabled Random Access for Timely Status Update. IEEE Transactions on Communications, 2020, 68, 1538-1551.	7.8	70
25	Energy-Aware Analog Aggregation for Federated Learning with Redundant Data. , 2020, , .		65
26	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
27	1 A Deep Reinforcement Learning Framework to Combat Dynamic Blockage in mmWave V2X Networks. , 2020, , .		6
28	Beyond Age: Urgency of Information for Timeliness Guarantee in Status Update Systems. , 2020, , .		14
29	AI-Assisted Low Information Latency Wireless Networking. IEEE Wireless Communications, 2020, 27, 108-115.	9.0	38
30	Latency Guaranteed Edge Inference via Dynamic Compression Ratio Selection. , 2020, , .		5
31	Dynamic Compression Ratio Selection for Edge Inference Systems With Hard Deadlines. IEEE Internet of Things Journal, 2020, 7, 8800-8810.	8.7	14
32	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
33	Fractional Dynamic Caching: A Collaborative Design of Storage and Backhaul. IEEE Transactions on Vehicular Technology, 2020, 69, 4194-4206.	6.3	2
34	Flexible Functional Split and Power Control for Energy Harvesting Cloud Radio Access Networks. IEEE Transactions on Wireless Communications, 2020, 19, 1535-1548.	9.2	11
35	Energy- and Area-Efficient Recursive-Conjugate-Gradient-Based MMSE Detector for Massive MIMO Systems. IEEE Transactions on Signal Processing, 2020, 68, 573-588.	5.3	29
36	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

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37	Edge Learning with Timeliness Constraints: Challenges and Solutions. IEEE Communications Magazine, 2020, 58, 27-33.	6.1	13
38	Cluster-Based Cooperative Digital Over-the-Air Aggregation for Wireless Federated Edge Learning. , 2020, , .		8
39	Energy-Efficient Massive MIMO With Decentralized Precoder Design. IEEE Transactions on Vehicular Technology, 2020, 69, 15370-15384.	6.3	4
40	Hyper Cellular Network: Control-Traffic Decoupled Radio Access Network Architecture. , 2020, , 577-582.		0
41	Timely Status Update Based on Urgency of Information with Statistical Context. , 2020, , .		0
42	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
43	A Unified Sampling and Scheduling Approach for Status Update in Multiaccess Wireless Networks. , 2019, , .		38
44	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
45	Distributed Policy Learning Based Random Access for Diversified QoS Requirements. , 2019, , .		10
46	Scalable Multi-Agent Learning for Situationally-Aware Multiple-Access and Grant-Free Transmissions. , 2019, , .		5
47	Adaptive Learning-Based Task Offloading for Vehicular Edge Computing Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 3061-3074.	6.3	234
48	Only Those Requested Count: Proactive Scheduling Policies for Minimizing Effective Age-of-Information. , 2019, , .		35
49	Learning-Based Remote Channel Inference: Feasibility Analysis and Case Study. IEEE Transactions on Wireless Communications, 2019, 18, 3554-3568.	9.2	10
50	Exploiting Moving Intelligence: Delay-Optimized Computation Offloading in Vehicular Fog Networks. IEEE Communications Magazine, 2019, 57, 49-55.	6.1	68
51	Bidirectional Mission Offloading for Agile Space-Air-Ground Integrated Networks. IEEE Wireless Communications, 2019, 26, 38-45.	9.0	71
52	Intermittent CSI Update for Massive MIMO Systems With Heterogeneous User Mobility. IEEE Transactions on Communications, 2019, 67, 4811-4824.	7.8	12
53	Exploiting Wireless Channel State Information Structures Beyond Linear Correlations: A Deep Learning Approach. IEEE Communications Magazine, 2019, 57, 28-34.	6.1	34
54	Status from a Random Field: How Densely Should One Update?. , 2019, , .		15

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55	Optimizing Information Freshness in Broadcast Network with Unreliable Links and Random Arrivals: An Approximate Index Policy. , 2019, , .		17
56	Context-Aware Information Lapse for Timely Status Updates in Remote Control Systems. , 2019, , .		12
57	Heterogeneous Coded Computation across Heterogeneous Workers. , 2019, , .		14
58	Service Function Chain Planning with Resource Balancing in Space-Air-Ground Integrated Networks. , 2019, , .		2
59	Age of Information and Delay Tradeoff with Freshness-Aware Mobile Edge Cache Update. , 2019, , .		7
60	Timely Status Update in Wireless Uplinks: Analytical Solutions With Asymptotic Optimality. IEEE Internet of Things Journal, 2019, 6, 3885-3898.	8.7	73
61	Security Analysis of Mobile Device-to-Device Network Applications. IEEE Internet of Things Journal, 2019, 6, 2922-2932.	8.7	17
62	Joint User Scheduling and Beam Selection Optimization for Beam-Based Massive MIMO Downlinks. IEEE Transactions on Wireless Communications, 2018, 17, 2190-2204.	9.2	35
63	On the Time Scales of Energy Arrival and Channel Fading in Energy Harvesting Communications. IEEE Transactions on Green Communications and Networking, 2018, 2, 482-492.	5.5	11
64	Collaborative Mobile Clouds: An Energy Efficient Paradigm for Content Sharing. IEEE Wireless Communications, 2018, 25, 186-192.	9.0	23
65	A 1.58 Gbps/W 0.40 Gbps/mm2 ASIC Implementation of MMSE Detection for $128 \times 8~64$ -QAM Massive MIMO in 65 nm CMOS. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1717-1730.	5.4	33
66	Algorithm and Architecture of a Low-Complexity and High-Parallelism Preprocessing-Based K -Best Detector for Large-Scale MIMO Systems. IEEE Transactions on Signal Processing, 2018, 66, 1860-1875.	5.3	28
67	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
68	Towards Service-Oriented 5G: Virtualizing the Networks for Everything-as-a-Service. IEEE Access, 2018, 6, 1480-1489.	4.2	27
69	Optimal Discrete Spatial Compression for Beamspace Massive MIMO Signals. IEEE Transactions on Signal Processing, 2018, 66, 2480-2493.	5.3	6
70	Task Replication for Vehicular Edge Computing: A Combinatorial Multi-Armed Bandit Based Approach. , 2018, , .		39
71	Learning Based Security for VANET with Blockchain. , 2018, , .		27
72	TIME-SEQUENCE CHANNEL INFERENCE FOR BEAM ALIGNMENT IN VEHICULAR NETWORKS. , 2018, , .		10

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73	Improved Scaling Law for Status Update Timeliness in Massive IoT by Elastic Spatial Multiplexing. , 2018, , .		4
74	Inferring Remote Channel State Information: CramÃ©r-Rae Lower Bound and Deep Learning Implementation. , 2018, , .		11
75	Can Decentralized Status Update Achieve Universally Near-Optimal Age-of-Information in Wireless Multiaccess Channels?. , 2018, , .		62
76	A Two-Step Learning and Interpolation Method for Location-Based Channel Database Construction. , 2018, , .		10
77	Joint Optimization of Cache Allocation and Content Placement in Urban Vehicular Networks. , 2018, , .		6
78	Mode Selection in UAV-aided Vehicular Network: an Evolutionary Game Approach. , 2018, , .		3
79	Power Allocation for Point-to-Point Energy Harvesting Channels. , 2018, , 5-73.		0
80	Cross-Layer Design for Energy Harvesting Links. , 2018, , 127-165.		0
81	Data-Driven User Complaint Prediction for Mobile Access Networks. Journal of Communications and Information Networks, 2018, 3, 9-19.	5.2	1
82	Energy-Efficient UAV Deployment with Flexible Functional Split Selection. , 2018, , .		11
83	Optimal Sleeping Mechanism for Multiple Servers With MMPP-Based Bursty Traffic Arrival. IEEE Wireless Communications Letters, 2018, 7, 436-439.	5.0	6
84	Computation Peer Offloading for Energy-Constrained Mobile Edge Computing in Small-Cell Networks. IEEE/ACM Transactions on Networking, 2018, 26, 1619-1632.	3.8	267
85	Flexible Functional Split in C-RAN with Renewable Energy Powered Remote Radio Units. , 2018, , .		8
86	Learning-Based Task Offloading for Vehicular Cloud Computing Systems. , 2018, , .		78
87	DeepNap: Data-Driven Base Station Sleeping Operations Through Deep Reinforcement Learning. IEEE Internet of Things Journal, 2018, 5, 4273-4282.	8.7	61
88	Hyper Cellular Network: Control-Traffic Decoupled Radio Access Network Architecture. , 2018, , 1-6.		0
89	On the Fronthaul Statistical Multiplexing Gain. IEEE Communications Letters, 2017, 21, 1099-1102.	4.1	16
90	Energy Management for Energy Internet: A Combination of Game Theory and Big Data-Based Renewable Power Forecasting. , 2017, , .		3

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91	Robust Energy Scheduling in Vehicle-to-Grid Networks. IEEE Network, 2017, 31, 30-37.	6.9	45
92	Pilot-Data Superposition for Beam-Based FDD Massive MIMO Downlinks. IEEE Communications Letters, 2017, 21, 1357-1360.	4.1	8
93	EMM: Energy-Aware Mobility Management for Mobile Edge Computing in Ultra Dense Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2637-2646.	14.0	330
94	Tasks scheduling and resource allocation in heterogeneous cloud for delay-bounded mobile edge computing. , 2017, , .		79
95	Deep learning based optimization in wireless network. , 2017, , .		36
96	Antenna-beam spatial transformation in c-RAN with large antenna arrays. , 2017, , .		8
97	Mobility-aware coded-caching scheme for small cell network. , 2017, , .		7
98	Energy efficient mobile edge computing in dense cellular networks. , 2017, , .		45
99	Impact of mobile instant messaging applications on signaling load and UE energy consumption. Wireless Networks, 2017, 23, 1645-1654.	3.0	3
100	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
101	E^2M^2: Energy efficient mobility management in dense small cells with mobile edge computing. , 2017, , .		10
102	Energy-Sustainable Traffic Steering for 5G Mobile Networks. , 2017, 55, 54-60.		27
103	Fractional dynamic caching: Minimizing the file delivery time under limited backhaul. , 2017, , .		1
104	Analysis and optimization of wireless transmissions over fast fading channels with slow time-varying energy arrival. , 2017, , .		4
105	Elastic local breakout strategy and implementation for delay-sensitive packets with local significance. , 2017, , .		1
106	How Often Should CSI Be Updated for Massive MIMO Systems with Massive Connectivity?. , 2017, , .		4
107	A block coordinated update method for beam-based massive MIMO downlink scheduling based on statistical CSI. , 2017, , .		2
108	Remote Channel Inference for Beamforming in Ultra-Dense Hyper-Cellular Network. , 2017, , .		8

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109	Proactive Content Push in Heterogeneous Networks with Multiple Energy Harvesting Small Cells. , 2017, , .		1
110	Computation Peer Offloading in Mobile Edge Computing with Energy Budgets. , 2017, , .		25
111	Scalable Non-Orthogonal Pilot Design for Massive MIMO Systems with Massive Connectivity. , 2016, , .		9
112	On the online minimization of completion time in an energy harvesting system. , 2016, , .		5
113	Joint optimization of content caching and push in renewable energy powered small cells. , 2016, , .		7
114	Networked MIMO With Fractional Joint Transmission in Energy Harvesting Systems. IEEE Transactions on Communications, 2016, 64, 3323-3336.	7.8	17
115	Simultaneous Information and Energy Flow for IoT Relay Systems with Crowd Harvesting. , 2016, 54, 143-149.		60
116	Pricing policy and computational resource provisioning for delay-aware mobile edge computing. , 2016, , .		30
117	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
118	Wireless Traffic Steering For Green Cellular Networks. , 2016, , .		1
119	Energy-Aware Traffic Offloading for Green Heterogeneous Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 1116-1129.	14.0	141
120	Software-defined hyper-cellular architecture for green and elastic wireless access. , 2016, 54, 12-19.		47
121	Delay-Constrained Energy-Optimal Base Station Sleeping Control. IEEE Journal on Selected Areas in Communications, 2016, 34, 1073-1085.	14.0	69
122	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
123	Dynamic Network Planning with Intra-Tier Traffic Steering. , 2016, , 35-55.		0
124	Literature Review on Green Communications. , 2016, , 19-33.		0
125	Inter-Tier Traffic Steering with Renewable Energy Harvesting. , 2016, , 91-125.		0
126	Dynamic Network Planning with Inter-Tier Traffic Steering. , 2016, , 57-90.		0

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127	Energy-efficient task offloading for multiuser mobile cloud computing. , 2015, , .		30
128	A simulation study of hyper-cellular architecture with dynamic temporal and spatial traffic. , 2015, , .		1
129	Seeing the Unobservable: Channel Learning for Wireless Communication Networks. , 2015, , .		22
130	Proactive push with energy harvesting based small cells in heterogeneous networks. , 2015, , .		10
131	Spatial Traffic Shaping in Heterogeneous Cellular Networks with Energy Harvesting. , 2015, , .		2
132	Topic model based behaviour modeling and clustering analysis for wireless network users. , 2015, , .		6
133	A block regression model for short-term mobile traffic forecasting. , 2015, , .		12
134	Optimal Recursive Power Allocation for Energy Harvesting System With Multiple Antennas. IEEE Transactions on Vehicular Technology, 2015, 64, 4525-4536.	6.3	8
135	RF chain and user selection for multiuser MIMO systems under random data arrival. , 2015, , .		1
136	A Cooperative Scheduling Scheme of Local Cloud and Internet Cloud for Delay-Aware Mobile Cloud Computing. , 2015, , .		101
137	User scheduling in pilot-assisted TDD multiuser MIMO systems. , 2015, , .		0
138	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
139	On dimensionality loss in FDD massive MIMO systems. , 2015, , .		2
140	An energy-efficient system signaling control method based on mobile application traffic. , 2015, , .		1
141	Bayesian mechanism based inter-operator base station sharing for energy saving. , 2015, , .		9
142	Graph-based framework for flexible baseband function splitting and placement in C-RAN. , 2015, , .		47
143	Optimal Green Energy Utilization in MIMO Systems With Hybrid Energy Supplies. IEEE Transactions on Vehicular Technology, 2015, 64, 3675-3688.	6.3	22
144	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

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145	Characterizing Energy–Delay Tradeoff in Hyper-Cellular Networks With Base Station Sleeping Control. IEEE Journal on Selected Areas in Communications, 2015, 33, 641-650.	14.0	62
146	Optimal power allocation on discrete energy harvesting model. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	16
147	Game-theoretical energy management design for smart cyber-physical power systems. Cyber-Physical Systems, 2015, 1, 24-45.	2.0	17
148	GreenDelivery: proactive content caching and push with energy-harvesting-based small cells. , 2015, 53, 142-149.		105
149	Redesigning fronthaul for next-generation networks: beyond baseband samples and point-to-point links. IEEE Wireless Communications, 2015, 22, 90-97.	9.0	30
150	HyCell: Enabling GREEN base station operations in software-defined radio access networks. , 2015, , .		7
151	How Many Small Cells Can be Turned Off via Vertical Offloading Under a Separation Architecture?. IEEE Transactions on Wireless Communications, 2015, 14, 5440-5453.	9.2	66
152	Distributed energy management in smart grid with dominated electricity provider and multiple microgrids. , 2014, , .		0
153	CONCERT: a cloud-based architecture for next-generation cellular systems. IEEE Wireless Communications, 2014, 21, 14-22.	9.0	74
154	Energy-delay tradeoffs of virtual base stations with a computational-resource-aware energy consumption model. , 2014, , .		37
155	On the statistical multiplexing gain of virtual base station pools. , 2014, , .		31
156	Energy-efficiency and spectrum-efficiency tradeoff in coordinated small-cell networks. , 2014, , .		1
157	Energy-efficient antenna selection and power allocation for large-scale multiple antenna systems with hybrid energy supply. , 2014, , .		15
158	Traffic aware offloading for BS sleeping in heterogeneous networks. , 2014, , .		3
159	Optimal Antenna Cluster Size in Cell-Free Distributed Large-Scale Antenna Systems with Imperfect CSI and Inter-Cluster Interference. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	9
160	Base Station Sleeping and Resource Allocation in Renewable Energy Powered Cellular Networks. IEEE Transactions on Communications, 2014, 62, 3801-3813.	7.8	138
161	Dynamic Channel Acquisition in MU-MIMO. IEEE Transactions on Communications, 2014, 62, 4336-4348.	7.8	6
162	Solar radiation prediction and energy allocation for energy harvesting base stations. , 2014, , .		17

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163	A practical channel allocation scheme based on the weighted conflict graph in heterogeneous networks. , 2014, , .		1
164	Base station sleeping control and power matching analysis using extended G/M/1 queueing model. , 2014, , .		0
165	Energy-optimal probabilistic base station sleeping under a separation network architecture. , 2014, , .		25
166	Spatial modeling of the traffic density in cellular networks. IEEE Wireless Communications, 2014, 21, 80-88.	9.0	166
167	Recursive Waterfilling for Wireless Links With Energy Harvesting Transmitters. IEEE Transactions on Vehicular Technology, 2014, 63, 1232-1241.	6.3	50
168	Energy efficient broadcast radius optimization in cellular networks. , 2014, , .		0
169	Power control policies for a wireless link with energy harvesting transmitter and receiver. , 2014, , .		5
170	Seeing the Unobservable: Channel Learning for Wireless Communication Networks. , 2014, , .		2
171	Spatial Traffic Shaping in Heterogeneous Cellular Networks with Energy Harvesting. , 2014, , .		0
172	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
173	RRM inWireless Communications with Energy Harvest Technology. SpringerBriefs in Computer Science, 2014, , 63-74.	0.2	0
174	Geometric Water-Filling in RRM. SpringerBriefs in Computer Science, 2014, , 5-14.	0.2	0
175	On precoding for overlapped clustering in a measured urban macrocellular environment. Science China Information Sciences, 2013, 56, 1-10.	4.3	3
176	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
177	Energy-Aware Resource Allocation for Energy Harvesting Wireless Communication Systems. , 2013, , .		17
178	Optimal wake-up mechanism for single base station with sleep mode. , 2013, , .		22
179	Optimal Combination of Base Station Densities for Energy-Efficient Two-Tier Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2013, 12, 4350-4362.	9.2	131
180	Minimum power consumption of a base station with large-scale antenna array. , 2013, , .		2

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181	An energy-efficient antenna muting scheme for 60GHz wireless networks. , 2013, , .		1
182	Joint optimization of frequency allocation and user association with differentiated service in hyper-cellular networks. , 2013, , .		0
183	Spatial-Temporal Water-Filling power allocation in MIMO systems with harvested energy. , 2013, , .		5
184	Interference-Aware Relay Selection Scheme for Two-Hop Relay Networks With Multiple Sourceâ€"Destination Pairs. IEEE Transactions on Vehicular Technology, 2013, 62, 2327-2338.	6.3	35
185	Software defined radio implementation of signaling splitting in hyper-cellular network. , 2013, , .		6
186	Recursive Geometric Water-filling for wireless links with hybrid energy systems. , 2013, , .		3
187	Water-Filling: A Geometric Approach and its Application to Solve Generalized Radio Resource Allocation Problems. IEEE Transactions on Wireless Communications, 2013, 12, 3637-3647.	9.2	142
188	An energy-efficient user scheduling scheme for multiuser MIMO systems with RF chain sleeping. , 2013, , .		13
189	Optimal Power Allocation for Energy Harvesting and Power Grid Coexisting Wireless Communication Systems. IEEE Transactions on Communications, 2013, 61, 3040-3049.	7.8	89
190	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
191	CHORUS: a framework for scalable collaboration in heterogeneous networks with cognitive synergy. IEEE Wireless Communications, 2013, 20, 133-139.	9.0	12
192	Spatial modeling of Scalable Spatially-correlated Log-normal distributed traffic inhomogeneity and energy-efficient network planning. , 2013, , .		2
193	Sleep control for base stations powered by heterogeneous energy sources. , 2013, , .		30
194	Utility optimal scheduling in energy cooperation networks powered by renewable energy. , 2013, , .		2
195	A Novel Precoding Scheme for Dynamic Base Station Cooperation with Overlapped Clusters. IEICE Transactions on Communications, 2013, E96.B, 656-659.	0.7	8
196	A Leakage-Aware CS/CB Scheme for Heterogeneous CoMP Networks with Layered Limited Feedback. IEICE Transactions on Communications, 2013, E96.B, 363-366.	0.7	5
197	Traffic-aware power adaptation and base station sleep control for energy-delay tradeoffs in green cellular networks. , 2012, , .		7
198	Capacity bounds of downlink network MIMO systems with inter-cluster interference. , 2012, , .		4

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199	Optimal base station density for energy-efficient heterogeneous cellular networks. , 2012, , .		67
200	An energy-efficient client pre-caching scheme with wireless multicast for video-on-demand services. , 2012, , .		22
201	CHORUS: Collaborative and harmonized open radio ubiquitous systems. , 2012, , .		1
202	On energy-delay tradeoff in base station sleep mode operation. , 2012, , .		13
203	β-PSR: A Partial Spectrum Reuse scheme for two-tier heterogeneous cellular networks. , 2012, , .		1
204	Energy-efficient multicast with deadlines in wireless networks via lazy rate scheduling. , 2012, , .		2
205	Improving network throughput in 60GHz WLANs via multi-AP diversity. , 2012, , .		25
206	Energy-Aware Network Planning for Wireless Cellular System with Inter-Cell Cooperation. IEEE Transactions on Wireless Communications, 2012, 11, 1412-1423.	9.2	53
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208	A Dynamic Programming Approach for Base Station Sleeping in Cellular Networks. IEICE Transactions on Communications, 2012, E95-B, 551-562.	0.7	37
209	A traffic-aware dynamic energy-saving scheme for cellular networks with heterogeneous traffic. , 2011, , .		5
210	Distributed Adaptation of Quantized Feedback for Downlink Network MIMO Systems. IEEE Transactions on Wireless Communications, 2011, 10, 61-67.	9.2	30
211	Multi-Hop Relay Network for Base Station Energy Saving and Its Performance Evaluation. , 2011, , .		5
212	Queuing on Energy-Efficient Wireless Transmissions with Adaptive Modulation and Coding. , 2011, , .		6
213	Joint Scheduling and Dynamic Clustering in Downlink Cellular Networks. , 2011, , .		24
214	On Optimal Relay Placement and Sleep Control to Improve Energy Efficiency in Cellular Networks. , 2011, , .		37
215	Energy Saving Performance Comparison of Coordinated Multi-Point Transmission and Wireless Relaying. , 2010, , .		67
216	Traffic-aware base station sleeping in dense cellular networks. , 2010, , .		42

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217	A Decentralized Clustering Scheme for Dynamic Downlink Base Station Cooperation. IEICE Transactions on Communications, 2010, E93-B, 3656-3659.	0.7	4
218	Distributed Medium Access Control with SDMA Support for WLANs. IEICE Transactions on Communications, 2010, E93-B, 961-970.	0.7	13
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