

Jiansong Zhang

List of Publications by Year in descending order

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399
papers

13,041
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50566

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64407

83
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412
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412
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412
times ranked

9286
citing authors

#	ARTICLE	IF	CITATIONS
1	LoRadar: Enabling Concurrent Radar Sensing and LoRa Communication. IEEE Transactions on Mobile Computing, 2022, 21, 2045-2057.	3.9	14
2	ZkRep: A Privacy-Preserving Scheme for Reputation-Based Blockchain System. IEEE Internet of Things Journal, 2022, 9, 4330-4342.	5.5	8
3	Incentivizing WiFi-Based Multilateration Location Verification. IEEE Internet of Things Journal, 2022, 9, 3083-3096.	5.5	0
4	SecurePilot: Improving Wireless Security of Single-Antenna IoT Devices. IEEE Internet of Things Journal, 2022, 9, 1148-1158.	5.5	2
5	SAFE: A General Secure and Fair Auction Framework for Wireless Markets With Privacy Preservation. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2038-2053.	3.7	10
6	<i>DetectDUI</i>: An In-Car Detection System for Drink Driving and BACs. IEEE/ACM Transactions on Networking, 2022, 30, 896-910.	2.6	7
7	Forgery Attack Detection in Surveillance Video Streams Using Wi-Fi Channel State Information. IEEE Transactions on Wireless Communications, 2022, 21, 4340-4349.	6.1	2
8	Single-Antenna Device-to-Device Localization in Smart Environments With Backscatter. IEEE Internet of Things Journal, 2022, 9, 10121-10129.	5.5	5
9	Communicational and Computational Efficient Federated Domain Adaptation. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 3678-3689.	4.0	1
10	User-Centric Blockchain for Industry 5.0 Applications. , 2022, , .		2
11	SmartSO: Chinese Character and Stroke Order Recognition With Smartwatch. IEEE Transactions on Mobile Computing, 2021, 20, 2490-2504.	3.9	4
12	RepChain: A Reputation-Based Secure, Fast, and High Incentive Blockchain System via Sharding. IEEE Internet of Things Journal, 2021, 8, 4291-4304.	5.5	99
13	Noncontact Respiration Detection Leveraging Music and Broadcast Signals. IEEE Internet of Things Journal, 2021, 8, 2931-2942.	5.5	5
14	Detecting Colluding Sybil Attackers in Robotic Networks Using Backscatters. IEEE/ACM Transactions on Networking, 2021, 29, 793-804.	2.6	5
15	Towards Cross-Modal Forgery Detection and Localization on Live Surveillance Videos. , 2021, , .		8
16	Silhouette: Efficient Cloud Configuration Exploration for Large-Scale Analytics. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2049-2061.	4.0	9
17	Context-Aware Wireless-Based Cross-Domain Gesture Recognition. IEEE Internet of Things Journal, 2021, 8, 13503-13515.	5.5	16
18	Incentive Mechanism for Cooperative Scalable Video Coding (SVC) Multicast Based on Contract Theory. IEEE Transactions on Multimedia, 2020, 22, 445-458.	5.2	11

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19	Sensor-Augmented Neural Adaptive Bitrate Video Streaming on UAVs. IEEE Transactions on Multimedia, 2020, 22, 1567-1576.	5.2	41
20	State-Aware Rate Adaptation for UAVs by Incorporating On-Board Sensors. IEEE Transactions on Vehicular Technology, 2020, 69, 488-496.	3.9	20
21	EchoFace: Acoustic Sensor-Based Media Attack Detection for Face Authentication. IEEE Internet of Things Journal, 2020, 7, 2152-2159.	5.5	20
22	Lightweight Sybil-Resilient Multi-Robot Networks by Multipath Manipulation. , 2020, , .		5
23	Authenticating On-Body IoT Devices: An Adversarial Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 5234-5245.	6.1	15
24	Crowdcaching: Incentivizing D2D-Enabled Caching via Coalitional Game for IoT. IEEE Internet of Things Journal, 2020, 7, 5599-5612.	5.5	17
25	Enabling Low-Power OFDM for IoT by Exploiting Asymmetric Clock Rates. IEEE/ACM Transactions on Networking, 2020, 28, 602-611.	2.6	7
26	FreeScatter: Enabling Concurrent Backscatter Communication Using Antenna Arrays. IEEE Internet of Things Journal, 2020, 7, 7310-7318.	5.5	10
27	Long-Term Quality of Protection. , 2020, , 731-733.		0
28	Auction. , 2020, , 76-80.		0
29	Polarization-Based Visible Light Positioning. IEEE Transactions on Mobile Computing, 2019, 18, 715-727.	3.9	18
30	Towards Motion Invariant Authentication for On-Body IoT Devices. , 2019, , .		4
31	Privacy-Preserving and Truthful Double Auction for Heterogeneous Spectrum. IEEE/ACM Transactions on Networking, 2019, 27, 848-861.	2.6	23
32	Privacy-Preserving Spectrum Auction Design: Challenges, Solutions, and Research Directions. IEEE Wireless Communications, 2019, 26, 142-150.	6.6	7
33	Many-to-Many Matching for Distributed Spectrum Trading. , 2019, , 1379-1412.		0
34	Cross-Technology Communications for Heterogeneous IoT Devices Through Artificial Doppler Shifts. IEEE Transactions on Wireless Communications, 2019, 18, 796-806.	6.1	49
35	An Incentive Mechanism for Crowdsourcing Systems with Network Effects. ACM Transactions on Internet Technology, 2019, 19, 1-21.	3.0	13
36	Financial Analysis of Network Upgrade. IEEE Transactions on Vehicular Technology, 2018, 67, 5496-5499.	3.9	2

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37	Toward Cross-Layer Design for Non-Orthogonal Multiple Access: A Quality-of-Experience Perspective. IEEE Wireless Communications, 2018, 25, 118-124.	6.6	21
38	Edge Computing Framework for Cooperative Video Processing in Multimedia IoT Systems. IEEE Transactions on Multimedia, 2018, 20, 1126-1139.	5.2	172
39	Authenticating On-Body Backscatter by Exploiting Propagation Signatures. , 2018, 2, 1-22.		23
40	ShieldScatter. , 2018, , .		19
41	Mobile Crowd Wireless Charging Toward Rechargeable Sensors for Internet of Things. IEEE Internet of Things Journal, 2018, 5, 5337-5347.	5.5	24
42	Rainbow: Preventing Mobile-Camera-based Piracy in the Physical World. , 2018, , .		1
43	Resonance-Based Secure Pairing for Wearables. IEEE Transactions on Mobile Computing, 2018, 17, 2607-2618.	3.9	10
44	Toward Battery-Free Wearable Devices. ACM Transactions on Cyber-Physical Systems, 2018, 2, 1-18.	1.9	19
45	Securing On-Body IoT Devices By Exploiting Creeping Wave Propagation. IEEE Journal on Selected Areas in Communications, 2018, 36, 696-703.	9.7	42
46	Scalable NOMA Multicast for SVC Streams in Cellular Networks. IEEE Transactions on Communications, 2018, 66, 6339-6352.	4.9	20
47	Configurations and Diagnosis for Ultra-Dense Heterogeneous Networks: From Empirical Measurements to Technical Solutions. IEEE Network, 2018, 32, 138-145.	4.9	4
48	Wideband Spectrum Adaptation Without Coordination. IEEE Transactions on Mobile Computing, 2017, 16, 243-256.	3.9	11
49	Your Glasses Know Your Diet: Dietary Monitoring Using Electromyography Sensors. IEEE Internet of Things Journal, 2017, 4, 705-712.	5.5	33
50	Sampleless Wi-Fi: Bringing Low Power to Wi-Fi Communications. IEEE/ACM Transactions on Networking, 2017, 25, 1663-1672.	2.6	28
51	Multi-Source Video Multicast in Internet-Connected Wireless Mesh Networks. IEEE Transactions on Mobile Computing, 2017, 16, 3431-3444.	3.9	7
52	Proximity based IoT device authentication. , 2017, , .		71
53	A general framework to design secure cloud storage protocol using homomorphic encryption scheme. Computer Networks, 2017, 129, 37-50.	3.2	15
54	Personalized user engagement modeling for mobile videos. Computer Networks, 2017, 126, 256-267.	3.2	6

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55	Detecting on-body devices through creeping wave propagation. , 2017, , .		3
56	A Reverse Auction Framework for Hybrid Access in Femtocell Network. Journal of Computer Science and Technology, 2017, 32, 1250-1264.	0.9	2
57	Signing in the Air w/o Constraints: Robust Gesture-Based Authentication for Wrist Wearables. , 2017, , .		4
58	Many-to-Many Matching for Distributed Spectrum Trading. , 2017, , 1-34.		0
59	Guest Editorial: Cloud-Based Video Processing and Content Sharing. IEEE Transactions on Multimedia, 2016, 18, 805-806.	5.2	0
60	Hash Division Multiple Access. , 2016, , .		0
61	Apps on the move: A fine-grained analysis of usage behavior of mobile apps. , 2016, , .		11
62	Secret from Muscle. , 2016, , .		40
63	Multi-seller combinatorial spectrum auction with reserve prices. , 2016, , .		1
64	VibID: User Identification through Bio-Vibrometry. , 2016, , .		18
65	Privacy Preservation for Context Sensing on Smartphone. IEEE/ACM Transactions on Networking, 2016, 24, 3235-3247.	2.6	33
66	Exploring Smart Pilot for Wireless Rate Adaptation. IEEE Transactions on Wireless Communications, 2016, 15, 4571-4582.	6.1	20
67	Predicting Unknown Interactions Between Known Drugs and Targets via Matrix Completion. Lecture Notes in Computer Science, 2016, , 591-604.	1.0	4
68	Gauss-Seidel based non-negative matrix factorization for gene expression clustering. , 2016, , .		5
69	Battery-free sensing platform for wearable devices: The synergy between two feet. , 2016, , .		23
70	From rateless to sampleless: Wi-Fi connectivity made energy efficient. , 2016, , .		6
71	Managing channel bonding with clear channel assessment in 802.11 networks. , 2016, , .		14
72	Incentivizing crowdsourcing systems with network effects. , 2016, , .		62

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73	Touch-and-guard. , 2016, , .		24
74	A software-defined wireless networking enabled spectrum management architecture. , 2016, 54, 33-39.		36
75	Stochastic Optimal Control for Participatory Sensing Systems with Heterogenous Requests. IEEE Transactions on Computers, 2016, 65, 1619-1631.	2.4	16
76	Low-Cost and Accurate 3D Road Modeling Using Mobile Phone. IEEE Transactions on Mobile Computing, 2016, 15, 2494-2506.	3.9	4
77	Privacy-Preserving Location Authentication in Wi-Fi Networks Using Fine-Grained Physical Layer Signatures. IEEE Transactions on Wireless Communications, 2016, 15, 1218-1225.	6.1	44
78	Local coordinate based graph-regularized NMF for image representation. Signal Processing, 2016, 124, 103-114.	2.1	19
79	An overview and comparison of machine-learning techniques for classification purposes in digital soil mapping. Geoderma, 2016, 265, 62-77.	2.3	352
80	A General Privacy-Preserving Auction Mechanism for Secondary Spectrum Markets. IEEE/ACM Transactions on Networking, 2016, 24, 1881-1893.	2.6	39
81	TiM: Fine-Grained Rate Adaptation in WLANs. IEEE Transactions on Mobile Computing, 2016, 15, 748-761.	3.9	36
82	Less Transmissions, More Throughput: Bringing Carpool to Public WLANs. IEEE Transactions on Mobile Computing, 2016, 15, 1168-1181.	3.9	9
83	Relieving 802.11 Performance Anomaly with Full Duplex Communication. , 2016, , .		3
84	QoE-Aware Dynamic Video Rate Adaptation. , 2015, , .		7
85	Logdet Divergence Based Sparse Non-Negative Matrix Factorization for Stable Representation. , 2015, , .		4
86	A Self-Adaptive Wireless Sensor Network Coverage Method for Intrusion Tolerance Based on Trust Value. Journal of Sensors, 2015, 2015, 1-10.	0.6	3
87	Balancing Income and User Utility in Spectrum Allocation. IEEE Transactions on Mobile Computing, 2015, 14, 2460-2473.	3.9	20
88	LOTUS: Location-Aware Online Truthful Double Auction for Dynamic Spectrum Access. IEEE Transactions on Wireless Communications, 2015, 14, 1092-1099.	6.1	24
89	Two-Dimensional Route Switching in Cognitive Radio Networks: A Game-Theoretical Framework. IEEE/ACM Transactions on Networking, 2015, 23, 1053-1066.	2.6	24
90	Towards Redundancy-Aware Data Utility Maximization in Crowdsourced Sensing with Smartphones. , 2015, , .		1

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91	Robust Local Coordinate Non-negative Matrix Factorization via Maximum Correntropy Criteria. , 2015, , .		0
92	Truthful online double auctions for dynamic mobile crowdsourcing. , 2015, , .		66
93	Local Coordinate Projective Non-negative Matrix Factorization. , 2015, , .		0
94	Heart rate estimation using wrist-acquired photoplethysmography under different types of daily life motion artifact. , 2015, , .		9
95	TiSA: Time-dependent social network advertising. , 2015, , .		1
96	Quality-of-Experience-Aware Design in Next-Generation Wireless Networks [Guest Editorial]. IEEE Network, 2015, 29, 4-5.	4.9	1
97	A privacy-aware framework for targeted advertising. Computer Networks, 2015, 79, 17-29.	3.2	14
98	From QoS to QoE: A Tutorial on Video Quality Assessment. IEEE Communications Surveys and Tutorials, 2015, 17, 1126-1165.	24.8	246
99	FlexAuc: Serving Dynamic Demands in a Spectrum Trading Market With Flexible Auction. IEEE Transactions on Wireless Communications, 2015, 14, 821-830.	6.1	24
100	Outsourcing high-dimensional healthcare data to cloud with personalized privacy preservation. Computer Networks, 2015, 88, 136-148.	3.2	61
101	QoS-aware energy-efficient radio resource allocation in heterogeneous wireless networks. , 2015, , .		4
102	Privacy preservation in location-based advertising: A contract-based approach. Computer Networks, 2015, 93, 213-224.	3.2	6
103	Toward long-term quality of protection in mobile networks: a context-aware perspective. IEEE Wireless Communications, 2015, 22, 34-40.	6.6	14
104	Changing channel without strings: Coordination-free wideband spectrum adaptation. , 2015, , .		3
105	Financial analysis of 4G network deployment. , 2015, , .		10
106	Less Transmissions, More Throughput: Bringing Carpool to Public WLANs. , 2015, , .		0
107	Towards Redundancy-Aware Data Utility Maximization in Crowdsourced Sensing with Smartphones. , 2015, , .		2
108	Understanding viewer engagement of video service in Wi-Fi network. Computer Networks, 2015, 91, 101-116.	3.2	17

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109	Piros: Pushing the Limits of Partially Concurrent Transmission in WiFi Networks. , 2015, , .		2
110	Enabling TDMA for today's wireless LANs. , 2015, , .		15
111	Privacy-Preserving Collaborative Spectrum Sensing With Multiple Service Providers. IEEE Transactions on Wireless Communications, 2015, 14, 1011-1019.	6.1	41
112	Delay-Constrained Data Aggregation in VANETs. IEEE Transactions on Vehicular Technology, 2015, 64, 2097-2107.	3.9	21
113	TAMES: A Truthful Double Auction for Multi-Demand Heterogeneous Spectrums. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3012-3024.	4.0	50
114	Delay-throughput tradeoff with correlated mobility of ad-hoc networks. , 2014, , .		7
115	SimCast: Efficient video delivery in MU-MIMO WLANs. , 2014, , .		10
116	HEAD: A hybrid spectrum trading framework for QoS-aware secondary users. , 2014, , .		5
117	ADAS: Adjust directional antenna with sensor hints. , 2014, , .		0
118	Wireless Rate Adaptation via Smart Pilot. , 2014, , .		5
119	Privacy-preserving location authentication in WiFi with fine-grained physical layer information. , 2014, , .		7
120	A stochastic game for privacy preserving context sensing on mobile phone. , 2014, , .		33
121	Flexauc: Serving dynamic demands in spectrum trading markets with flexible auction. , 2014, , .		11
122	TiM: Fine-Grained Rate Adaptation in WLANs. , 2014, , .		5
123	Location Privacy Preservation in Database-Driven Cognitive Radio Networks. SpringerBriefs in Computer Science, 2014, , 59-65.	0.2	0
124	CUTS: Improving Channel Utilization in Both Time and Spatial Domain in WLANs. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1413-1423.	4.0	29
125	WiCop: Engineering WiFi Temporal White-Spaces for Safe Operations of Wireless Personal Area Networks in Medical Applications. IEEE Transactions on Mobile Computing, 2014, 13, 1145-1158.	3.9	24
126	Local cooperation architecture for self-healing femtocell networks. IEEE Wireless Communications, 2014, 21, 42-49.	6.6	32

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127	A Hybrid Pricing Framework for TV White Space Database. IEEE Transactions on Wireless Communications, 2014, 13, 2626-2635.	6.1	12
128	Energy-Efficient Identification in Large-Scale RFID Systems with Handheld Reader. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1211-1222.	4.0	15
129	A Bayesian game model for joint pricing and spectrum allocation strategy of femtocell service providers. , 2014, , .		2
130	COD: A Cooperative Cell Outage Detection Architecture for Self-Organizing Femtocell Networks. IEEE Transactions on Wireless Communications, 2014, 13, 6007-6014.	6.1	24
131	LOTUS: Location-aware online truthful double auction for dynamic spectrum access. , 2014, , .		20
132	Towards Truthful Mechanisms for Mobile Crowdsourcing with Dynamic Smartphones. , 2014, , .		20
133	TRAC: Truthful auction for location-aware collaborative sensing in mobile crowdsourcing. , 2014, , .		301
134	Scaling laws for heterogeneous cognitive radio networks with cooperative secondary users. , 2014, , .		3
135	Risk-Constrained Operation for Internet Data Centers in Deregulated Electricity Markets. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1306-1316.	4.0	43
136	Energy Efficient Downlink Cooperative Transmission With BS and Antenna Switching off. IEEE Transactions on Wireless Communications, 2014, 13, 5183-5195.	6.1	28
137	Adometer: Push the Limit of Pedestrian Indoor Localization through Cooperation. IEEE Transactions on Mobile Computing, 2014, 13, 2473-2483.	3.9	23
138	Location Privacy Preservation in Collaborative Spectrum Sensing. SpringerBriefs in Computer Science, 2014, , 51-58.	0.2	0
139	Auction Mechanisms. SpringerBriefs in Computer Science, 2014, , 7-18.	0.2	0
140	Location Privacy Preservation in Cognitive Radio Networks. SpringerBriefs in Computer Science, 2014, , .	0.2	13
141	Flexauc Auction: Serving Dynamic Demand in Wireless Market. SpringerBriefs in Computer Science, 2014, , 57-75.	0.2	0
142	Spectrum Group-Buying Framework. SpringerBriefs in Computer Science, 2014, , 39-56.	0.2	0
143	POVA: Traffic Light Sensing with Probe Vehicles. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1390-1400.	4.0	22
144	TESLA-Based Homomorphic MAC for Authentication in P2P System for Live Streaming with Network Coding. IEEE Journal on Selected Areas in Communications, 2013, 31, 291-298.	9.7	28

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145	Cooperative cell outage detection in Self-Organizing femtocell networks. , 2013, , .		27
146	Statistical Modeling for Spectrum Usage Characterizing Wireless Fading Channels and Mobile Service Dynamics. IEEE Transactions on Vehicular Technology, 2013, 62, 3800-3812.	3.9	11
147	hJam: Attachment Transmission in WLANs. IEEE Transactions on Mobile Computing, 2013, 12, 2334-2345.	3.9	49
148	Enabling the Femtocells: A Cooperation Framework for Mobile and Fixed-Line Operators. IEEE Transactions on Wireless Communications, 2013, 12, 158-167.	6.1	19
149	Fine-Grained Channel Access in Wireless LAN. IEEE/ACM Transactions on Networking, 2013, 21, 772-787.	2.6	88
150	A real-time auto-adjustable smart pillow system for sleep apnea detection and treatment. , 2013, , .		49
151	Energy-efficient cooperative downlink transmission with antenna and BS closing. , 2013, , .		1
152	A Compressive Sensing Approach to Urban Traffic Estimation with Probe Vehicles. IEEE Transactions on Mobile Computing, 2013, 12, 2289-2302.	3.9	156
153	Rendezvous Protocols Based on Message Passing in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5594-5606.	6.1	17
154	Analyzing the influential people in Sina Weibo dataset. , 2013, , .		5
155	A privacy-aware framework for online advertisement targeting. , 2013, , .		0
156	On mobile sensor assisted field coverage. ACM Transactions on Sensor Networks, 2013, 9, 1-27.	2.3	7
157	Route-switching games in cognitive radio networks. , 2013, , .		7
158	PESC: A parallel system for clustering ECG streams based on MapReduce. , 2013, , .		1
159	Wi-Fi or femtocell: User choice and pricing strategy of Wireless Service Provider. , 2013, , .		0
160	Incentive mechanism for hybrid access in femtocell network with traffic uncertainty. , 2013, , .		13
161	Balance of revenue and social welfare in FCC's spectrum allocation. , 2013, , .		5
162	TAMES: A Truthful Auction Mechanism for heterogeneous spectrum allocation. , 2013, , .		31

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163	Compressive sensing based monitoring with vehicular networks. , 2013, , .		44
164	Enabling co-channel coexistence of 802.22 and 802.11af systems in TV White Spaces. , 2013, , .		24
165	Groupon in the Air: A three-stage auction framework for Spectrum Group-buying. , 2013, , .		56
166	Hybrid pricing for TV white space database. , 2013, , .		16
167	Dynamic spectrum leasing with user-determined traffic segmentation. , 2013, , .		6
168	A reverse auction framework for access permission transaction to promote hybrid access in femtocell network. , 2012, , .		20
169	A game formulation of duopoly market with coexistence of SoftSim and regular users. , 2012, , .		1
170	Use your frequency wisely: Explore frequency domain for channel contention and ACK. , 2012, , .		19
171	TAHES: Truthful double Auction for Heterogeneous Spectrums. , 2012, , .		52
172	Revenue Improvement for Wireless Service Providers in Hybrid Macrocellâ€Femtocell Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 4109-4117.	3.9	5
173	deStress: Mobile and remote stress monitoring, alleviation, and management platform. , 2012, , .		7
174	An economic framework for Information Platform. , 2012, , .		0
175	Combinatorial auction with time-frequency flexibility in cognitive radio networks. , 2012, , .		67
176	Guest Editorial Cooperative Networking â€” Challenges and Applications (Part II). IEEE Journal on Selected Areas in Communications, 2012, 30, 1593-1596.	9.7	1
177	Utility-Aware Refunding Framework for Hybrid Access Femtocell Network. IEEE Transactions on Wireless Communications, 2012, 11, 1688-1697.	6.1	125
178	Spectrum leasing to femto service provider with hybrid access. , 2012, , .		29
179	Side Channel: Bits over Interference. IEEE Transactions on Mobile Computing, 2012, 11, 1317-1330.	3.9	64
180	TAHES: A Truthful Double Auction Mechanism for Heterogeneous Spectrums. IEEE Transactions on Wireless Communications, 2012, 11, 4038-4047.	6.1	86

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181	On the Double Mobility Problem for Water Surface Coverage with Mobile Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 146-159.	4.0	23
182	Spectrum trading with insurance in cognitive radio networks. , 2012, , .		10
183	Mining Spectrum Usage Data: A Large-Scale Spectrum Measurement Study. IEEE Transactions on Mobile Computing, 2012, 11, 1033-1046.	3.9	172
184	Sleep Scheduling for Critical Event Monitoring in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 345-352.	4.0	77
185	How Much to Share: A Repeated Game Model for Peer-to-Peer Streaming under Service Differentiation Incentives. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 288-295.	4.0	22
186	Reducing Electricity Cost of Smart Appliances via Energy Buffering Framework in Smart Grid. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1572-1582.	4.0	26
187	The Intrusion Detection in Mobile Sensor Network. IEEE/ACM Transactions on Networking, 2012, 20, 1152-1161.	2.6	42
188	Exploiting Network Coding for Data Availability in Vehicular Networks: Issues and Opportunities. , 2012, , .		2
189	LOGA: Local grouping architecture for self-healing femtocell networks. , 2012, , .		3
190	Exploring frequency diversity with interference alignment in cognitive radio networks. , 2012, , .		5
191	RASS: A Portable Real-time Automatic Sleep Scoring System. , 2012, , .		11
192	HJam: Attachment transmission in WLANs. , 2012, , .		20
193	Energy-Aware Network Planning for Wireless Cellular System with Inter-Cell Cooperation. IEEE Transactions on Wireless Communications, 2012, 11, 1412-1423.	6.1	53
194	Throughput Improvement by Joint Relay Selection and Link Scheduling in Relay-Assisted Cellular Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 2824-2835.	3.9	29
195	Guest Editorial Cooperative Networking " Challenges and Applications (Part I). IEEE Journal on Selected Areas in Communications, 2012, 30, 241-244.	9.7	6
196	REPICK: Random access MAC with reversed contention and Piggy-backed ACK. , 2011, , .		1
197	Message Delivery Capacity in Delay-Constrained Mobile Sensor Networks: Bounds and Realization. IEEE Transactions on Wireless Communications, 2011, 10, 1552-1559.	6.1	14
198	Spectrum Trading in Cognitive Radio Networks: A Contract-Theoretic Modeling Approach. IEEE Journal on Selected Areas in Communications, 2011, 29, 843-855.	9.7	358

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199	Transfer Learning Based Diagnosis for Configuration Troubleshooting in Self-Organizing Femtocell Networks. , 2011, , .		17
200	Sora. Communications of the ACM, 2011, 54, 99-107.	3.3	180
201	Prediction-Based Throughput Optimization for Dynamic Spectrum Access. IEEE Transactions on Vehicular Technology, 2011, 60, 1284-1289.	3.9	45
202	Dynamic Spectrum Sharing With Multiple Primary and Secondary Users. IEEE Transactions on Vehicular Technology, 2011, 60, 1756-1765.	3.9	30
203	Macro-femto heterogeneous network deployment and management: from business models to technical solutions. IEEE Wireless Communications, 2011, 18, 64-70.	6.6	117
204	The Target Tracking in Mobile Sensor Networks. , 2011, , .		13
205	Spectrum Leasing to Multiple Cooperating Secondary Cellular Networks. , 2011, , .		19
206	Dynamic Spectrum Auction Based on Coexistent Matrix. , 2011, , .		1
207	Understanding Link Feature of Wireless Sensor Networks in Outdoor Space: A Measurement Study. , 2011, , .		6
208	Optimal Pricing and Spectrum Allocation for Wireless Service Provider on Femtocell Deployment. , 2011, , .		20
209	Novel Navigation Algorithm for Wireless Sensor Networks without Information of Locations. , 2011, , .		0
210	Database-assisted multi-AP network on TV white spaces: Architecture, spectrum allocation and AP discovery. , 2011, , .		62
211	Fine-grained channel access in wireless LAN. Computer Communication Review, 2010, 40, 147-158.	1.5	37
212	A 2G-RFID-based e-healthcare system. IEEE Wireless Communications, 2010, 17, 37-43.	6.6	127
213	The delay-constrained information coverage problem in mobile sensor networks: single hop case. Wireless Networks, 2010, 16, 1961-1973.	2.0	5
214	Switching cost minimization in the IEEE 802.16e mobile WiMAX sleep mode operation. Wireless Communications and Mobile Computing, 2010, 10, 1576-1588.	0.8	7
215	The Base Station Placement for Delay-Constrained Information Coverage in Mobile Wireless Networks. , 2010, , .		5
216	Message Delivery Capacity in Delay-Constrained Mobile Wireless Networks: Bounds and Realization. , 2010, , .		0

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217	Understand the Predictability of Wireless Spectrum: A Large-Scale Empirical Study. , 2010, , .		11
218	Resource Allocation in Multi-cell OFDMA-based Relay Networks. , 2010, , .		46
219	Cooperative Boundary Detection for Spectrum Sensing Using Dedicated Wireless Sensor Networks. , 2010, , .		24
220	Protocols for stimulating packet forwarding in wireless ad hoc networks [Security and Privacy in Emerging Wireless Networks]. IEEE Wireless Communications, 2010, 17, 50-55.	6.6	3
221	Opportunistic Cooperation in Low Duty Cycle Wireless Sensor Networks. , 2010, , .		19
222	Cooperative Coding and Caching for Streaming Data in Multihop Wireless Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	1.5	1
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