Riku JÃ¤ntti

List of Publications by Year
in descending order

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271	4,385	147801	206112
papers	citations	31 h-index	48 g-index

271	271	271	4012
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Constructing Measures of Sparsity. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 3643-3654.	5.7	3
2	Coherent Multiantenna Receiver for BPSK-Modulated Ambient Backscatter Tags. IEEE Internet of Things Journal, 2022, 9, 1197-1211.	8.7	12
3	Multi-Bounce Effect in Multi-Tag Monostatic Backscatter Communications. IEEE Wireless Communications Letters, 2022, 11, 43-47.	5.0	5
4	Learning-Based Resource Allocation for Backscatter-Aided Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19676-19690.	8.0	32
5	Secure Transmission in Cellular V2X Communications Using Deep Q-Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17167-17176.	8.0	8
6	Artificial Rich Scattering-Assisted MIMO Systems Using Passive Backscatter Devices. , 2022, , .		1
7	Efficient Mining Cluster Selection for Blockchain-Based Cellular V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4064-4072.	8.0	26
8	Efficient Power-Splitting and Resource Allocation for Cellular V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3547-3556.	8.0	40
9	Uplink Reference Signals for Power-Efficient Handover in Cellular Networks With Mobile Relays. IEEE Access, 2021, 9, 24446-24461.	4.2	7
10	Analysis of Drone Propagation With Ray Tracing From Sub-6 GHz Upto Terahertz Frequencies in a Real World Urban Environment. , 2021, , .		3
11	Adaptive Physical Layer Selection for Bluetooth 5: Measurements and Simulations. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	1.2	3
12	Backscatter-Enabled Efficient V2X Communication With Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2021, 70, 1724-1735.	6.3	62
13	Massive MIMO Beamforming in Monostatic Backscatter Multi-Tag Networks. IEEE Communications Letters, 2021, 25, 1323-1327.	4.1	6
14	Ultra-Low-Power Wide Range Backscatter Communication Using Cellular Generated Carrier. Sensors, 2021, 21, 2663.	3.8	4
15	A study about signal variation with minor receiver displacement in a meeting room at 60ÂGHz: measurements and simulations. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	0
16	Distributed Antenna System in 3GPP Specified Industrial Environment. , 2021, , .		0
17	Measurements at 5G Commercial 26 GHz Frequency with Above and on Rooftop Level Antenna Masts in Urban Environment. , 2021, , .		5
18	Direct Path Interference Suppression Requirements for Bistatic Backscatter Communication System. , 2021, , .		5

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19	Machine type communications: key drivers and enablers towards the 6G era. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	42
20	A Review on Printed Electronics: Fabrication Methods, Inks, Substrates, Applications and Environmental Impacts. Journal of Manufacturing and Materials Processing, 2021, 5, 89.	2.2	77
21	A modified GADIA-based upper-bound to the capacity of Gaussian general N-relay networks. Wireless Networks, 2021, 27, 4095-4110.	3.0	0
22	Characterization of low-cost inkjet printed-photonic cured strain gauges for remote sensing and structural monitoring applications. Research on Engineering Structures and Materials, 2021, , .	0.4	1
23	Outdoor to Indoor Path Loss Measurement at 1.8GHz, 3.5GHz, 6.5GHz, and 26GHz Commercial Frequency Bands. , 2021, , .		3
24	RSS Models for Respiration Rate Monitoring. IEEE Transactions on Mobile Computing, 2020, 19, 680-696.	5.8	12
25	Performance Evaluation of Relay-Aided CR-NOMA for Beyond 5G Communications. IEEE Access, 2020, 8, 134838-134855.	4.2	49
26	Minimizing Forking in Blockchain-Based IoT Networks. , 2020, , .		7
27	Low Latency Ambient Backscatter Communications with Deep Q-Learning for Beyond 5G Applications. , 2020, , .		11
28	Secrecy Limits of Energy Harvesting IoT Networks under Channel Imperfections. , 2020, , .		2
29	Machine Learning assisted Handover and Resource Management for Cellular Connected Drones. , 2020, , .		15
30	Impact of Interference Suppression under Ray Tracing and 3GPP Street Canyon Model. , 2020, , .		0
31	Secure Backscatter Communications in Multi-Cell NOMA Networks: Enabling Link Security for Massive IoT Networks. , 2020, , .		27
32	Measurements and Ray Tracing Simulations: Impact of Different Antenna Positions on Meeting Room Coverage at 60 GHz. , 2020, , .		1
33	On Performance Evaluation of BLE 5 In Indoor Environment: An Experimental Study. , 2020, , .		9
34	Uplink Reference Signals for Energy-Efficient Handover. IEEE Access, 2020, 8, 163060-163076.	4.2	10
35	Reinforcement Learning for Scalable and Reliable Power Allocation in SDN-based Backscatter Heterogeneous Network. , 2020, , .		18
36	Polarization Conversion-Based Ambient Backscatter System. IEEE Access, 2020, 8, 216793-216804.	4.2	8

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37	Rogue Device Mitigation in the Internet of Things: A Blockchain-Based Access Control Approach. Mobile Information Systems, 2020, 2020, 1-13.	0.6	1
38	Overview of Time Synchronization for IoT Deployments: Clock Discipline Algorithms and Protocols. Sensors, 2020, 20, 5928.	3.8	20
39	Multiobjective Optimization of Uplink NOMA-Enabled Vehicle-to-Infrastructure Communication. IEEE Access, 2020, 8, 84467-84478.	4.2	30
40	Monostatic Backscatter Communication in Urban Microcellular Environment Using Cellular Networks. , 2020, , .		2
41	Energy-Efficient UAV Communications with Interference Management: Deep Learning Framework. , 2020, , .		4
42	Reinforcement Learning in Blockchain-Enabled IIoT Networks: A Survey of Recent Advances and Open Challenges. Sustainability, 2020, 12, 5161.	3.2	48
43	Ambient Backscatter Communications for Future Ultra-Low-Power Machine Type Communications: Challenges, Solutions, Opportunities, and Future Research Trends. IEEE Communications Magazine, 2020, 58, 42-47.	6.1	46
44	Quantum-Enhanced Microwave Backscattering Communications. IEEE Communications Magazine, 2020, 58, 80-85.	6.1	4
45	Dual Connectivity in Non-Stand Alone Deployment mode of 5G in Manhattan Environment. , 2020, , .		1
46	Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 15284-15297.	6.3	76
47	Efficient Mode Selection for D2D Communication in Industrial IoT Networks. , 2020, , .		1
48	Hybrid Beamformer Design for High Dynamic Range Ambient Backscatter Receivers. , 2019, , .		19
49	Validation of Backscatter Link Budget Simulations with Measurements at 915 MHz and 2.4 GHz. , 2019, , .		14
50	Signaling Overhead and Power Consumption during Handover in LTE. , 2019, , .		13
51	Performance Analysis of Vertical and Higher Order Sectorization in Urban Environment at 28 GHz. , 2019, , .		4
52	Noncoherent Frequency Shift Keying for Ambient Backscatter Over OFDM Signals. , 2019, , .		5
53	A Survey on Handover Management: From LTE to NR. IEEE Access, 2019, 7, 118907-118930.	4.2	131
54	On the Performance of AoAâ€“Based Localization in 5G Ultraâ€“Dense Networks. IEEE Access, 2019, 7, 33870-33880.	4.2	44

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55	Noncoherent Backscatter Communications Over Ambient OFDM Signals. IEEE Transactions on Communications, 2019, 67, 3597-3611.	7.8	55
56	Reliability and Availability Enhancements of the 5G Connectivity for Factory Automation. , 2019, , .		1
57	Intelligent Construction Site: On Low Cost Automated Indoor Localization Using Bluetooth Low Energy Beacons. , 2019, , .		5
58	Link Budget Validation for Backscatter-Radio System in Sub-1GHz. , 2019, , .		0
59	PriMO-5G: making firefighting smarter with immersive videos through 5G. , 2019, , .		11
60	Noncoherent MIMO Codes Construction Using Autoencoders. , 2019, , .		2
61	Machine Learning-Assisted Detection for BPSK-Modulated Ambient Backscatter Communication Systems. , 2019, , .		9
62	Retrieving Quantum Backscattered Signals in the Presence of Noise. , 2019, , .		0
63	Drone Detection and Classification Using Cellular Network: A Machine Learning Approach. , 2019, , .		5
64	DAS and UDN Solutions for Indoor Coverage at Millimeter Wave (mmWave) Frequencies. , 2019, , .		1
65	Performance Evaluation of Switched Beam Antenna with Different Configurations at 28 GHz. , 2019, , .		0
66	Receiver Power Consumption during Handover in LTE. , 2019, , .		5
67	Applications of Backscatter Communications for Healthcare Networks. IEEE Network, 2019, 33, 50-57.	6.9	84
68	On the System-level Performance Evaluation of Bluetooth 5 in IoT: Open Office Case Study. , 2019, , .		15
69	A Simulation Study on Handover in LTE Ultra-Small Cell Deployment: A 5G Challenge. , 2019, , .		10
70	Asymptotic Analysis for Spectrum-Sharing Systems With TAS/MRC Using Extreme Value Theory: An Overlooked Aspect. IEEE Access, 2019, 7, 138062-138078.	4.2	3
71	Analysis of Indoor Solutions for Provision of Indoor Coverage at 3.5 GHz and 28 GHz for 5G System. , 2019, , .		5
72	Usability Benefits and Challenges in mmWave V2V Communications: A Case Study. , 2019, , .		6

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73	Catching All PokÃ©mon: Virtual Reward Optimization With Tensor Voting Based Trajectory Privacy. IEEE Transactions on Vehicular Technology, 2019, 68, 883-892.	6.3	6
74	Assessment of Coordinated Multipoint Transmission Modes for Indoor and Outdoor Users at 28 GHz in Urban Macrocellular Environment. Advances in Science, Technology and Engineering Systems, 2019, 4, 119-126.	0.5	0
75	Multidimensional Analysis of LTE Network Rollout With Typical and Non-Typical Antenna Configurations. Advances in Wireless Technologies and Telecommunication Book Series, 2019, , 97-135.	0.4	0
76	Fifth-Generation Control Channel Design: Achieving Ultrareliable Low-Latency Communications. IEEE Vehicular Technology Magazine, 2018, 13, 84-93.	3.4	23
77	Energy Saving Game for Massive MIMO: Coping With Daily Load Variation. IEEE Transactions on Vehicular Technology, 2018, 67, 2301-2313.	6.3	19
78	Clustering for determining distributed antenna locations in wireless networks. Wireless Networks, 2018, 24, 1857-1871.	3.0	0
79	Detector Based Radio Tomographic Imaging. IEEE Transactions on Mobile Computing, 2018, 17, 58-71.	5.8	35
80	Analog Beamforming for mmW Circular Arrays with Limited Number of RF Chains. , 2018, , .		1
81	Composite vector quantization for optimizing antenna locations. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, .	1.4	0
82	Backscatter Communications Over Ambient OFDM Signals Using Null Subcarriers. , 2018, , .		15
83	Quantum Backscatter Communication with Photon Number States. , 2018, , .		4
84	Modeling and Analysis of Dynamic Pilot Scheduling scheme for 5G Ultra-Dense Network. , 2018, , .		3
85	Does Ambient Backscatter Communication Need Additional Regulations?. , 2018, , .		10
86	Recursive Bayesian Filters for RSS-Based Device-Free Localization and Tracking. , 2018, , .		5
87	User Localization Enabled Ultra-dense Network Testbed. , 2018, , .		9
88	Statistical Analysis of Downlink Transmissions for Ultra-Reliable Low-Latency Communications. , 2018, , .		3
89	Quantum Backscatter Communication: A New Paradigm. , 2018, , .		10
90	Multi-Antenna Receiver for Ambient Backscatter Communication Systems. , 2018, , .		15

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91	Data-Driven Optimization Based Primary Usersâ€™ Operational Privacy Preservation. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 357-367.	7.9	12
92	Asymmetric ACK/NACK Detection for Ultra - Reliable Low - Latency Communications. , 2018, , .		8
93	Received Signal Strength Models for Narrowband Radios. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 50-87.	0.4	2
94	Random Access Scheme for Sporadic Users in 5G. IEEE Transactions on Wireless Communications, 2017, 16, 1823-1833.	9.2	32
95	On Log-Normality of RSSI in Narrowband Receivers Under Static Conditions. IEEE Signal Processing Letters, 2017, 24, 367-371.	3.6	9
96	On the Achievable Rate of Bistatic Modulated Rescatter Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 9609-9613.	6.3	41
97	On the Performance of Narrow-Band Internet of Things (NB-IoT). , 2017, , .		72
98	NB-IoT Technology Overview and Experience from Cloud-RAN Implementation. IEEE Wireless Communications, 2017, 24, 26-32.	9.0	107
99	Resource Allocations for Ultra-Reliable Low-Latency Communications. International Journal of Wireless Information Networks, 2017, 24, 317-327.	2.7	18
100	Packet Error Rate Analysis of Uncoded Schemes in Block-Fading Channels Using Extreme Value Theory. IEEE Communications Letters, 2017, 21, 208-211.	4.1	24
101	Big RF Data Assisted Cognitive Radio Network Coexistence in 3.5GHz Band. , 2017, , .		4
102	Control channel enhancements for ultra-reliable low-latency communications. , 2017, , .		18
103	Connectionless access for massive machine type communications in ultra-dense networks. , 2017, , .		11
104	ARTI: An Adaptive Radio Tomographic Imaging System. IEEE Transactions on Vehicular Technology, 2017, 66, 7302-7316.	6.3	53
105	Energy Efficiency Maximization of Full-Duplex Two-Way Relay With Non-Ideal Power Amplifiers and Non-Negligible Circuit Power. IEEE Transactions on Wireless Communications, 2017, 16, 6264-6278.	9.2	37
106	Traffic offloading based energy saving market for cellular operators. , 2017, , .		3
107	A Three-State Received Signal Strength Model for Device-Free Localization. IEEE Transactions on Vehicular Technology, 2017, 66, 9226-9240.	6.3	32
108	Energy-aware deployment of dense heterogeneous cellular networks with QoS constraints. Science China Information Sciences, 2017, 60, 1.	4.3	5

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109	Dynamic pilot scheduling scheme for 5G outdoor ultra-dense network. , 2017, , .		3
110	Multiantenna Quantum Backscatter Communications. , 2017, , .		13
111	Location-aware beamformed downlink control channel for ultra-dense networks. , 2017, , .		3
112	Primary Users' Operational Privacy Preservation via Data-Driven Optimization. , 2017, , .		4
113	RSS-based respiratory rate monitoring using periodic Gaussian processes and Kalman filtering. , 2017, , .		9
114	Angular Domain Data-Assisted Channel Estimation for Pilot Decontamination in Massive MIMO. Mobile Information Systems, 2017, 2017, 1-9.	0.6	1
115	Dynamic TDD in LTE small cells. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	9
116	Analysis of transmission modes for ultra-reliable communications. , 2016, , .		6
117	Location Based Beamforming in 5G Ultra-Dense Networks. , 2016, , .		40
118	Co-primary Spectrum Sharing for Inter-operator Device-to-Device Communication. IEEE Journal on Selected Areas in Communications, 2016, , 1-1.	14.0	11
119	Optimized transmission and resource allocation strategies for ultra-reliable communications. , 2016, , .		21
120	Flexible Backhauling With Massive MIMO for Ultra-Dense Networks. IEEE Access, 2016, 4, 9625-9634.	4.2	13
121	Energy savings through self-backhauling for future heterogeneous networks. Energy, 2016, 115, 711-721.	8.8	9
122	Link adaptation design for ultra-reliable communications. , 2016, , .		40
123	An efficient D2D-based strategies for machine type communications in 5G mobile systems. , 2016, , .		17
124	Estimating KPIs in deployed heterogeneous networks. , 2016, 54, 158-165.		2
125	"Anything as a Service" for 5G Mobile Systems. IEEE Network, 2016, 30, 84-91.	6.9	84
126	Experimental accuracy assessment of radio tomographic imaging methods. , 2016, , .		3

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127	Localizing Multiple Objects Using Radio Tomographic Imaging Technology. IEEE Transactions on Vehicular Technology, 2016, 65, 3641-3656.	6.3	37
128	Asymptotic Expansions for Heavy-tailed Data. IEEE Signal Processing Letters, 2016, , 1-1.	3.6	3
129	Coping With Emerging Mobile Social Media Applications Through Dynamic Service Function Chaining. IEEE Transactions on Wireless Communications, 2016, 15, 2859-2871.	9.2	47
130	Transmission-Order Optimization for Bidirectional Device-to-Device (D2D) Communications Underlaying Cellular TDD Networksâ€"A Graph Theoretic Approach. IEEE Journal on Selected Areas in Communications, 2016, 34, 1-14.	14.0	28
131	Aggregate Interference in Random CSMA/CA Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 424-436.	0.3	1
132	Log-cumulant matching approximation of heavy-tailed-distributed aggregate interference. , 2015, , .		6
133	Data aggregation in capillary networks for machine-to-machine communications. , 2015, , .		14
134	Energy Efficiency of Spectrum-Sharing Communication Systems. , 2015, , .		0
135	Compressive Data Aggregation from Poisson point process observations. , 2015, , .		1
136	Energy-Efficient Load-Adaptive Massive MIMO. , 2015, , .		18
137	Converged heterogeneous networks with transmit order and base-station-to-base-station interference cancellation. , 2015, , .		2
138	Analysis of transmission methods for ultra-reliable communications. , 2015, , .		25
139	Compressive sensing for MTC in new LTE uplink multi-user random access channel. , 2015, , .		14
140	Energy saving market for mobile operators. , 2015, , .		2
141	Repeated spectrum sharing games in multi-operator heterogeneous networks. , 2015, , .		3
142	Spectrum sharing in D2D enabled HetNet. , 2015, , .		3
143	Spectrum sharing for MTC devices in LTE. , 2015, , .		2
144	Creating secondary spectrum usage opportunity for D2D communication with interference cancellation. , 2015, , .		4

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145	Transmission strategies in downlink of multi-user multi-cell distributed antenna systems. , 2015, , .		0
146	Simultaneous power control and power management algorithm with sector-shaped topology for wireless sensor networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	3
147	Machine-type communications: current status and future perspectives toward 5G systems. , 2015, 53, 10-17.		345
148	Coordination protocol for inter-operator spectrum sharing in co-primary 5G small cell networks. , 2015, 53, 34-40.		38
149	Spectrum allocation for multi-operator device-to-device communication. , 2015, , .		14
150	Implementing TD-LTE as software defined radio in general purpose processor. , 2014, , .		11
151	Cloud-RAN Architecture for Indoor DAS. IEEE Access, 2014, 2, 1205-1212.	4.2	45
152	Moving-target defense mechanisms against source-selective jamming attacks in tactical cognitive radio MANETs. , 2014, , .		7
153	Mobile converged networks [Guest Editorial]. IEEE Wireless Communications, 2014, 21, 11-13.	9.0	0
154	Interference Modelling Using Hierarchical Spatial Clustering of Terrain and User Density Maps. , 2014, , .		0
155	Synchronized TV Whitespace Spectrum Access. , 2014, , .		1
156	Saving energy in base station with non real time operation system in Cloud-RAN. , 2014, , .		0
157	Dimensioning of PA for massive MIMO system with load adaptive number of antennas. , 2014, , .		4
158	Statistics-Based Jamming Detection Algorithm for Jamming Attacks against Tactical MANETs. , 2014, , .		28
159	pRoot: An Adaptable Wireless Sensor-Actuator Hardware Platform. , 2014, , .		4
160	Joint Optimization of Transmission-Order Selection and Channel Allocation for Bidirectional Wireless Linksâ€”Part II: Algorithms. IEEE Transactions on Wireless Communications, 2014, 13, 3991-4002.	9.2	10
161	Non-invasive respiration rate monitoring using a single COTS TX-RX pair. , 2014, , .		70
162	Performance of Secondary Wireless Networks with Contention Control in TV White Spaces. Mobile Networks and Applications, 2014, 19, 467-472.	3.3	0

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163	Joint Optimization of Transmission-Order Selection and Channel Allocation for Bidirectional Wireless Linksâ€"Part I: Game Theoretic Analysis. IEEE Transactions on Wireless Communications, 2014, 13, 4003-4013.	9.2	9
164	Energy Efficiency Analysis of Two-Way DF Relay System With Non-Ideal Power Amplifiers. IEEE Communications Letters, 2014, 18, 1254-1257.	4.1	14
165	Generic stationary backoff distributions for distributed multiple access control. Telecommunication Systems, 2014, 56, 383-398.	2.5	0
166	Performance Bounds of Prioritized Access in Coexisting Cognitive Radio Networks. , 2014, , .		1
167	Delay analysis of network architectures for machine-to-machine communications in LTE system. , 2014, , .		9
168	Energy Efficiency of Spectrum-Sharing Communication Systems. , 2014, , .		0
169	Log-cumulants-based Edgeworth expansion for skew-distributed aggregate interference. , 2014, , .		3
170	Spectrum allocation and mode selection for overlay D2D using carrier sensing threshold. , 2014, , .		23
171	Minimum-Energy Power and Rate Control for Fair Scheduling in the Cellular Downlink under Flow Level Delay Constraint. IEEE Transactions on Wireless Communications, 2013, 12, 3253-3263.	9.2	21
172	How much energy can be saved by energy-delay tradeoff in Radio access network?. , 2013, , .		0
173	On the scalability of cognitive radio: assessing the commercial viability of secondary spectrum access. IEEE Wireless Communications, 2013, 20, 28-36.	9.0	17
174	Effect of secondary transmission on primary pilot carriers in overlay cognitive radios. , 2013, , .		6
175	Bounding the Mean Interference in Mat'ern Type II Hard-Core Wireless Networks. IEEE Wireless Communications Letters, 2013, 2, 563-566.	5.0	26
176	Stochastic packet collision modeling in coexisting wireless networks for link quality evaluation. , 2013, , .		3
177	Interference control in cognitive wireless networks by tuning the carrier sensing threshold. , 2013, , .		4
178	5GrEEn: Towards Green 5G mobile networks. , 2013, , .		78
179	A management framework for device-free localization. , 2013, , .		5
180	Real-time radio emulation environment for combat net radio networks. , 2013, , .		2

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181	Channel ranking based on packet delivery ratio estimation in wireless sensor networks. , 2013, , .		8
182	Scheduling uncertain links in multihop cognitive relay networks. , 2013, , .		0
183	Proportional Fair Power Allocation for Secondary Transmitters in the TV White Space. Journal of Electrical and Computer Engineering, 2013, 2013, 1-8.	0.9	2
184	Utility-based resource allocation in LTE-Advanced heterogeneous networks. , 2013, , .		3
185	Energy efficient deployment of HetNets: Impact of power amplifier and delay. , 2013, , .		11
186	Localization Services for Online Common Operational Picture and Situation Awareness. IEEE Access, 2013, 1, 742-757.	4.2	35
187	Modeling the interference generated from car base stations towards indoor femto-cells. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 96-101.	0.4	0
188	Interference control in cognitive wireless networks by tuning the carrier sensing threshold. , 2013, , .		2
189	Channel adaptive stop-and-wait automatic repeat request protocols for short-range wireless links. IET Communications, 2012, 6, 2128.	2.2	4
190	Multichannel Communications in Wireless Automation: Interdependencies between Communication and Control Parameters. International Journal of Distributed Sensor Networks, 2012, 8, 614358.	2.2	4
191	Performance of target tracking applications in multi-channel wireless sensor networks. , 2012, , .		1
192	Performance Study of IEEE 802.11s PSM in FTP-TCP. , 2012, , .		4
193	Power Allocation in the TV White Space under Constraint on Secondary System Self-Interference. Journal of Electrical and Computer Engineering, 2012, 2012, 1-12.	0.9	3
194	Recursive clock skew estimation for wireless sensor networks using reference broadcasts. IET Wireless Sensor Systems, 2012, 2, 338-350.	1.7	9
195	Per-Node Throughput Performance of Overlapping Cognitive Radio Networks. , 2012, , .		3
196	Aggregate interference from WLAN in the TV white space by using terrain-based channel model. , 2012, , .		5
197	Voice service in cognitive networks over the TV spectrum. IET Communications, 2012, 6, 991.	2.2	3
198	On α-proportional fair packet scheduling in OFDMA downlink. , 2012, , .		1

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199	On the Frequency Allocation for Coordinated Multi-Point Joint Transmission. , 2012, , .		4
200	Energy-Efficient Relay Selection and Power Allocation for Two-Way Relay Channel with Analog Network Coding. IEEE Communications Letters, 2012, 16, 816-819.	4.1	117
201	Throughput and delay analysis of network coded ALOHA in wireless networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	0
202	MEA: an energy efficient algorithm for dense sector-based wireless sensor networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	2
203	Performance Analysis of the IEEE 802.11s PSM. Journal of Computer Networks and Communications, 2012, 2012, 1-14.	1.6	4
204	Framework for Random Power Allocation of Wireless Sensor Networks in Fading Channels. Wireless Sensor Network, 2012, 04, 76-83.	1.3	3
205	Interference Aware Routing and Load Balancing in Wireless Sensor and Actuator Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 316-327.	0.3	0
206	Controlling the interference from multiple secondary systems at the TV cell border. , 2011, , .		10
207	Model for computing aggregate interference from secondary cellular network in presence of correlated shadow fading. , 2011, , .		29
208	Aggregate interference with FCC and ECC white space usage rules: Case study in Finland. , 2011, , .		22
209	Impact of efficient power amplifiers in wireless access. , 2011, , .		21
210	Channel ranking algorithm and ranking error bounds: A two channel case. , 2011, , .		3
211	Exploitation of multi-channel communications in industrial wireless sensor applications: Avoiding interference and enabling coexistence. , 2011, , .		10
212	Distributed Sensing in Multiband Cognitive Networks. IEEE Transactions on Wireless Communications, 2011, 10, 1667-1677.	9.2	10
213	Computation of Aggregate Interference from Multiple Secondary Transmitters. IEEE Communications Letters, 2011, 15, 437-439.	4.1	10
214	Body sensor network key distribution using human interactive channels. , 2011, , .		5
215	A Synchronized Wireless Sensor Network for Experimental Modal Analysis in Structural Health Monitoring. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 483-499.	9.8	99
216	Performance of Onâ€“Off scheduling strategy in the presence of transmit beamforming. Physical Communication, 2011, 4, 3-12.	2.1	0

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217	Delay-throughput analysis of multi-channel MAC protocols in ad hoc networks. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	5
218	Wireless control system design and co-simulation. Control Engineering Practice, 2011, 19, 1075-1086.	5.5	27
219	A decision theoretic approach for channel ranking in crowded unlicensed bands. Wireless Networks, 2011, 17, 907-919.	3.0	3
220	A dynamic TDD inter-cell interference coordination scheme for Long Term Evolution networks. , 2011, , .		14
221	Feasibility of voice service in cognitive networks over the TV spectrum. , 2010, , .		0
222	Interference Mitigation by Practical Transmit Beamforming Methods in Closed Femtocells. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	18
223	Uplink Inter-Cell Interference Coordination by Nash Bargaining for OFDMA Networks. , 2010, , .		1
224	Capacity for Spectrum Sharing Cognitive Radios with MRC Diversity at the Secondary Receiver under Asymmetric Fading. , 2010, , .		23
225	Capacity for Spectrum Sharing Cognitive Radios with MRC Diversity and Imperfect Channel Information from Primary User. , 2010, , .		10
226	High energy efficiency schemes in multiple relays cooperative network with analog network coding. , 2010, , .		2
227	Energy-adaptive scheduling and queue management in wireless LAN mesh networks. , 2010, , .		3
228	Wireless Networking for Control: Technologies and Models. Lecture Notes in Control and Information Sciences, 2010, , 31-74.	1.0	2
229	Primary User Detection in Distributed Cognitive Radio Networks under Timing Inaccuracy. , 2010, , .		10
230	Power control for time-varying cognitive radio networks. , 2010, , .		4
231	Suppression of intra-network interference in decentralized Cognitive Radio networks under timing errors. , 2010, , .		0
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