

# Riku JÄÄntti

## List of Publications by Year in descending order

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Version: 2024-02-01

271  
papers

4,385  
citations

147801

31  
h-index

206112

48  
g-index

271  
all docs

271  
docs citations

271  
times ranked

4012  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine-type communications: current status and future perspectives toward 5G systems. , 2015, 53, 10-17.		345
2	A Survey on Handover Management: From LTE to NR. IEEE Access, 2019, 7, 118907-118930.	4.2	131
3	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
4	NB-IoT Technology Overview and Experience from Cloud-RAN Implementation. IEEE Wireless Communications, 2017, 24, 26-32.	9.0	107
5	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
6	Second-order power control with asymptotically fast convergence. IEEE Journal on Selected Areas in Communications, 2000, 18, 447-457.	14.0	92
7	Asymptotically Fair Transmission Scheduling Over Fading Channels. IEEE Transactions on Wireless Communications, 2004, 3, 326-336.	9.2	89
8	Joint power control and intracell scheduling of DS-CDMA nonreal time data. IEEE Journal on Selected Areas in Communications, 2001, 19, 1860-1870.	14.0	85
9	"Anything as a Service" for 5G Mobile Systems. IEEE Network, 2016, 30, 84-91.	6.9	84
10	Applications of Backscatter Communications for Healthcare Networks. IEEE Network, 2019, 33, 50-57.	6.9	84
11	5GrEEn: Towards Green 5G mobile networks. , 2013, , .		78
12	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
13	Spectral Efficiency Optimization for Next Generation NOMA-Enabled IoT Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 15284-15297.	6.3	76
14	On the Performance of Narrow-Band Internet of Things (NB-IoT). , 2017, , .		72
15	Non-invasive respiration rate monitoring using a single COTS TX-RX pair. , 2014, , .		70
16	Backscatter-Enabled Efficient V2X Communication With Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2021, 70, 1724-1735.	6.3	62
17	A generalized algorithm for constrained power control with capability of temporary removal. IEEE Transactions on Vehicular Technology, 2001, 50, 1604-1612.	6.3	59
18	Noncoherent Backscatter Communications Over Ambient OFDM Signals. IEEE Transactions on Communications, 2019, 67, 3597-3611.	7.8	55

#	ARTICLE	IF	CITATIONS
19	ARTI: An Adaptive Radio Tomographic Imaging System. IEEE Transactions on Vehicular Technology, 2017, 66, 7302-7316.	6.3	53
20	Performance Evaluation of Relay-Aided CR-NOMA for Beyond 5G Communications. IEEE Access, 2020, 8, 134838-134855.	4.2	49
21	Reinforcement Learning in Blockchain-Enabled IIoT Networks: A Survey of Recent Advances and Open Challenges. Sustainability, 2020, 12, 5161.	3.2	48
22	Coping With Emerging Mobile Social Media Applications Through Dynamic Service Function Chaining. IEEE Transactions on Wireless Communications, 2016, 15, 2859-2871.	9.2	47
23	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
24	Cloud-RAN Architecture for Indoor DAS. IEEE Access, 2014, 2, 1205-1212.	4.2	45
25	On the Performance of AoA-Based Localization in 5G Ultra-Dense Networks. IEEE Access, 2019, 7, 33870-33880.	4.2	44
26	Machine type communications: key drivers and enablers towards the 6G era. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	42
27	On the Achievable Rate of Bistatic Modulated Rescatter Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 9609-9613.	6.3	41
28	Location Based Beamforming in 5G Ultra-Dense Networks. , 2016, , .		40
29	Link adaptation design for ultra-reliable communications. , 2016, , .		40
30	Efficient Power-Splitting and Resource Allocation for Cellular V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3547-3556.	8.0	40
31	Coordination protocol for inter-operator spectrum sharing in co-primary 5G small cell networks. , 2015, 53, 34-40.		38
32	Localizing Multiple Objects Using Radio Tomographic Imaging Technology. IEEE Transactions on Vehicular Technology, 2016, 65, 3641-3656.	6.3	37
33	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
34	Transmission rate scheduling for the non-real-time data in a cellular CDMA system. IEEE Communications Letters, 2001, 5, 200-202.	4.1	36
35	Detection of Unknown Signals in a Fading Environment. IEEE Communications Letters, 2009, 13, 498-500.	4.1	36
36	Localization Services for Online Common Operational Picture and Situation Awareness. IEEE Access, 2013, 1, 742-757.	4.2	35

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37	Detector Based Radio Tomographic Imaging. IEEE Transactions on Mobile Computing, 2018, 17, 58-71.	5.8	35
38	Random Access Scheme for Sporadic Users in 5G. IEEE Transactions on Wireless Communications, 2017, 16, 1823-1833.	9.2	32
39	A Three-State Received Signal Strength Model for Device-Free Localization. IEEE Transactions on Vehicular Technology, 2017, 66, 9226-9240.	6.3	32
40	Learning-Based Resource Allocation for Backscatter-Aided Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19676-19690.	8.0	32
41	Platform for Emulating Networked Control Systems in Laboratory Environments. , 2007, , .		31
42	Multiobjective Optimization of Uplink NOMA-Enabled Vehicle-to-Infrastructure Communication. IEEE Access, 2020, 8, 84467-84478.	4.2	30
43	Model for computing aggregate interference from secondary cellular network in presence of correlated shadow fading. , 2011, , .		29
44	Statistics-Based Jamming Detection Algorithm for Jamming Attacks against Tactical MANETs. , 2014, , .		28
45	Transmission-Order Optimization for Bidirectional Device-to-Device (D2D) Communications Underlying Cellular TDD Networks—A Graph Theoretic Approach. IEEE Journal on Selected Areas in Communications, 2016, 34, 1-14.	14.0	28
46	Multiobjective Distributed Power Control Algorithm for CDMA Wireless Communication Systems. IEEE Transactions on Vehicular Technology, 2007, 56, 779-788.	6.3	27
47	Wireless control system design and co-simulation. Control Engineering Practice, 2011, 19, 1075-1086.	5.5	27
48	Secure Backscatter Communications in Multi-Cell NOMA Networks: Enabling Link Security for Massive IoT Networks. , 2020, , .		27
49	Bounding the Mean Interference in Mat'ern Type II Hard-Core Wireless Networks. IEEE Wireless Communications Letters, 2013, 2, 563-566.	5.0	26
50	Efficient Mining Cluster Selection for Blockchain-Based Cellular V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4064-4072.	8.0	26
51	Analysis of transmission methods for ultra-reliable communications. , 2015, , .		25
52	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
53	On the performance of Heuristic opportunistic scheduling in the uplink of 3G LTE networks. , 2008, , .		23
54	Wireless control of a multihop mobile robot squad. IEEE Wireless Communications, 2009, 16, 14-20.	9.0	23

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55	Capacity for Spectrum Sharing Cognitive Radios with MRC Diversity at the Secondary Receiver under Asymmetric Fading. , 2010, , .		23
56	Fifth-Generation Control Channel Design: Achieving Ultrareliable Low-Latency Communications. IEEE Vehicular Technology Magazine, 2018, 13, 84-93.	3.4	23
57	Spectrum allocation and mode selection for overlay D2D using carrier sensing threshold. , 2014, , .		23
58	Base Station Controlled Load Balancing with Handovers in Mobile WiMAX. , 2008, , .		22
59	Time Synchronization of Cognitive Radio Networks. , 2009, , .		22
60	Aggregate interference with FCC and ECC white space usage rules: Case study in Finland. , 2011, , .		22
61	Time synchronization accuracy in real-time wireless sensor networks. , 2009, , .		21
62	Impact of efficient power amplifiers in wireless access. , 2011, , .		21
63	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
64	Optimized transmission and resource allocation strategies for ultra-reliable communications. , 2016, , .		21
65	Overview of Time Synchronization for IoT Deployments: Clock Discipline Algorithms and Protocols. Sensors, 2020, 20, 5928.	3.8	20
66	Energy Saving Game for Massive MIMO: Coping With Daily Load Variation. IEEE Transactions on Vehicular Technology, 2018, 67, 2301-2313.	6.3	19
67	Hybrid Beamformer Design for High Dynamic Range Ambient Backscatter Receivers. , 2019, , .		19
68	Interference Mitigation by Practical Transmit Beamforming Methods in Closed Femtocells. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	18
69	Energy-Efficient Load-Adaptive Massive MIMO. , 2015, , .		18
70	Resource Allocations for Ultra-Reliable Low-Latency Communications. International Journal of Wireless Information Networks, 2017, 24, 317-327.	2.7	18
71	Control channel enhancements for ultra-reliable low-latency communications. , 2017, , .		18
72	Reinforcement Learning for Scalable and Reliable Power Allocation in SDN-based Backscatter Heterogeneous Network. , 2020, , .		18

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73	On the scalability of cognitive radio: assessing the commercial viability of secondary spectrum access. IEEE Wireless Communications, 2013, 20, 28-36.	9.0	17
74	An efficient D2D-based strategies for machine type communications in 5G mobile systems. , 2016, , .		17
75	Channel ranking algorithms for cognitive coexistence of IEEE 802.15.4. , 2009, , .		15
76	Backscatter Communications Over Ambient OFDM Signals Using Null Subcarriers. , 2018, , .		15
77	Multi-Antenna Receiver for Ambient Backscatter Communication Systems. , 2018, , .		15
78	On the System-level Performance Evaluation of Bluetooth 5 in IoT: Open Office Case Study. , 2019, , .		15
79	Machine Learning assisted Handover and Resource Management for Cellular Connected Drones. , 2020, , .		15
80	A dynamic TDD inter-cell interference coordination scheme for Long Term Evolution networks. , 2011, , .		14
81	Energy Efficiency Analysis of Two-Way DF Relay System With Non-Ideal Power Amplifiers. IEEE Communications Letters, 2014, 18, 1254-1257.	4.1	14
82	Data aggregation in capillary networks for machine-to-machine communications. , 2015, , .		14
83	Compressive sensing for MTC in new LTE uplink multi-user random access channel. , 2015, , .		14
84	Spectrum allocation for multi-operator device-to-device communication. , 2015, , .		14
85	Validation of Backscatter Link Budget Simulations with Measurements at 915 MHz and 2.4 GHz. , 2019, , .		14
86	Flexible Backhauling With Massive MIMO for Ultra-Dense Networks. IEEE Access, 2016, 4, 9625-9634.	4.2	13
87	Multiantenna Quantum Backscatter Communications. , 2017, , .		13
88	Signaling Overhead and Power Consumption during Handover in LTE. , 2019, , .		13
89	On the Study of Self-Configuration Neighbour Cell List for Mobile WiMAX. , 2007, , .		12
90	Performance analysis of random uniform power allocation for wireless networks in Rayleigh fading channels. European Transactions on Telecommunications, 2009, 20, 457-462.	1.2	12

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91	Data-Driven Optimization Based Primary Users'™ Operational Privacy Preservation. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 357-367.	7.9	12
92	RSS Models for Respiration Rate Monitoring. IEEE Transactions on Mobile Computing, 2020, 19, 680-696.	5.8	12
93	Coherent Multiantenna Receiver for BPSK-Modulated Ambient Backscatter Tags. IEEE Internet of Things Journal, 2022, 9, 1197-1211.	8.7	12
94	Performance analysis in multi-hop radio networks with balanced fair resource sharing. Telecommunication Systems, 2006, 31, 315-336.	2.5	11
95	Energy efficient deployment of HetNets: Impact of power amplifier and delay. , 2013, , .		11
96	Implementing TD-LTE as software defined radio in general purpose processor. , 2014, , .		11
97	Co-primary Spectrum Sharing for Inter-operator Device-to-Device Communication. IEEE Journal on Selected Areas in Communications, 2016, , 1-1.	14.0	11
98	Connectionless access for massive machine type communications in ultra-dense networks. , 2017, , .		11
99	PriMO-5G: making firefighting smarter with immersive videos through 5G. , 2019, , .		11
100	Low Latency Ambient Backscatter Communications with Deep Q-Learning for Beyond 5G Applications. , 2020, , .		11
101	Capacity for Spectrum Sharing Cognitive Radios with MRC Diversity and Imperfect Channel Information from Primary User. , 2010, , .		10
102	Primary User Detection in Distributed Cognitive Radio Networks under Timing Inaccuracy. , 2010, , .		10
103	Controlling the interference from multiple secondary systems at the TV cell border. , 2011, , .		10
104	Exploitation of multi-channel communications in industrial wireless sensor applications: Avoiding interference and enabling coexistence. , 2011, , .		10
105	Distributed Sensing in Multiband Cognitive Networks. IEEE Transactions on Wireless Communications, 2011, 10, 1667-1677.	9.2	10
106	Computation of Aggregate Interference from Multiple Secondary Transmitters. IEEE Communications Letters, 2011, 15, 437-439.	4.1	10
107	Joint Optimization of Transmission-Order Selection and Channel Allocation for Bidirectional Wireless Links'™Part II: Algorithms. IEEE Transactions on Wireless Communications, 2014, 13, 3991-4002.	9.2	10
108	Does Ambient Backscatter Communication Need Additional Regulations?. , 2018, , .		10

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109	Quantum Backscatter Communication: A New Paradigm. , 2018, , .		10
110	A Simulation Study on Handover in LTE Ultra-Small Cell Deployment: A 5G Challenge. , 2019, , .		10
111	Uplink Reference Signals for Energy-Efficient Handover. IEEE Access, 2020, 8, 163060-163076.	4.2	10
112	Power control with partially known link gain matrix. IEEE Transactions on Vehicular Technology, 2003, 52, 1288-1296.	6.3	9
113	Simulation case studies of wireless networked control systems. , 2007, , .		9
114	Recursive clock skew estimation for wireless sensor networks using reference broadcasts. IET Wireless Sensor Systems, 2012, 2, 338-350.	1.7	9
115	Joint Optimization of Transmission-Order Selection and Channel Allocation for Bidirectional Wireless Links”Part I: Game Theoretic Analysis. IEEE Transactions on Wireless Communications, 2014, 13, 4003-4013.	9.2	9
116	Delay analysis of network architectures for machine-to-machine communications in LTE system. , 2014, , .		9
117	Dynamic TDD in LTE small cells. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	9
118	Energy savings through self-backhauling for future heterogeneous networks. Energy, 2016, 115, 711-721.	8.8	9
119	On Log-Normality of RSSI in Narrowband Receivers Under Static Conditions. IEEE Signal Processing Letters, 2017, 24, 367-371.	3.6	9
120	RSS-based respiratory rate monitoring using periodic Gaussian processes and Kalman filtering. , 2017, , .		9
121	User Localization Enabled Ultra-dense Network Testbed. , 2018, , .		9
122	Machine Learning-Assisted Detection for BPSK-Modulated Ambient Backscatter Communication Systems. , 2019, , .		9
123	On Performance Evaluation of BLE 5 In Indoor Environment: An Experimental Study. , 2020, , .		9
124	Channel ranking based on packet delivery ratio estimation in wireless sensor networks. , 2013, , .		8
125	Asymmetric ACK/NACK Detection for Ultra - Reliable Low - Latency Communications. , 2018, , .		8
126	Polarization Conversion-Based Ambient Backscatter System. IEEE Access, 2020, 8, 216793-216804.	4.2	8



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127	Secure Transmission in Cellular V2X Communications Using Deep Q-Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17167-17176.	8.0	8
128	Moving-target defense mechanisms against source-selective jamming attacks in tactical cognitive radio MANETs. , 2014, , .		7
129	Minimizing Forking in Blockchain-Based IoT Networks. , 2020, , .		7
130	Uplink Reference Signals for Power-Efficient Handover in Cellular Networks With Mobile Relays. IEEE Access, 2021, 9, 24446-24461.	4.2	7
131	Spectrum sensing with multiple antennas. , 2009, , .		6
132	Channel-aware inter-cell interference coordination for the uplink of 3G LTE networks. , 2009, , .		6
133	Effect of secondary transmission on primary pilot carriers in overlay cognitive radios. , 2013, , .		6
134	Log-cumulant matching approximation of heavy-tailed-distributed aggregate interference. , 2015, , .		6
135	Analysis of transmission modes for ultra-reliable communications. , 2016, , .		6
136	Usability Benefits and Challenges in mmWave V2V Communications: A Case Study. , 2019, , .		6
137	Catching All Pokémon: Virtual Reward Optimization With Tensor Voting Based Trajectory Privacy. IEEE Transactions on Vehicular Technology, 2019, 68, 883-892.	6.3	6
138	Massive MIMO Beamforming in Monostatic Backscatter Multi-Tag Networks. IEEE Communications Letters, 2021, 25, 1323-1327.	4.1	6
139	Distributed Power Detection in Shadowing Environment and with Communication Constraint. , 2007, , .		5
140	Body sensor network key distribution using human interactive channels. , 2011, , .		5
141	Delay-throughput analysis of multi-channel MAC protocols in ad hoc networks. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	5
142	Aggregate interference from WLAN in the TV white space by using terrain-based channel model. , 2012, , .		5
143	A management framework for device-free localization. , 2013, , .		5
144	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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145	Recursive Bayesian Filters for RSS-Based Device-Free Localization and Tracking. , 2018, , .		5
146	Noncoherent Frequency Shift Keying for Ambient Backscatter Over OFDM Signals. , 2019, , .		5
147	Intelligent Construction Site: On Low Cost Automated Indoor Localization Using Bluetooth Low Energy Beacons. , 2019, , .		5
148	Drone Detection and Classification Using Cellular Network: A Machine Learning Approach. , 2019, , .		5
149	Receiver Power Consumption during Handover in LTE. , 2019, , .		5
150	Analysis of Indoor Solutions for Provision of Indoor Coverage at 3.5 GHz and 28 GHz for 5G System. , 2019, , .		5
151	Measurements at 5G Commercial 26 GHz Frequency with Above and on Rooftop Level Antenna Masts in Urban Environment. , 2021, , .		5
152	Direct Path Interference Suppression Requirements for Bistatic Backscatter Communication System. , 2021, , .		5
153	Multi-Bounce Effect in Multi-Tag Monostatic Backscatter Communications. IEEE Wireless Communications Letters, 2022, 11, 43-47.	5.0	5
154	Random Power Control for Uncorrelated Rayleigh Fading Channels. , 2007, , .		4
155	Spectrum reuse at the border of a primary user cell. IEEE Transactions on Communications, 2009, 57, 3836-3846.	7.8	4
156	Power control for time-varying cognitive radio networks. , 2010, , .		4
157	Channel adaptive stop-and-wait automatic repeat request protocols for short-range wireless links. IET Communications, 2012, 6, 2128.	2.2	4
158	Multichannel Communications in Wireless Automation: Interdependencies between Communication and Control Parameters. International Journal of Distributed Sensor Networks, 2012, 8, 614358.	2.2	4
159	Performance Study of IEEE 802.11s PSM in FTP-TCP. , 2012, , .		4
160	On the Frequency Allocation for Coordinated Multi-Point Joint Transmission. , 2012, , .		4
161	Performance Analysis of the IEEE 802.11s PSM. Journal of Computer Networks and Communications, 2012, 2012, 1-14.	1.6	4
162	Interference control in cognitive wireless networks by tuning the carrier sensing threshold. , 2013, , .		4

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163	Dimensioning of PA for massive MIMO system with load adaptive number of antennas. , 2014, , .		4
164	pRoot: An Adaptable Wireless Sensor-Actuator Hardware Platform. , 2014, , .		4
165	Creating secondary spectrum usage opportunity for D2D communication with interference cancellation. , 2015, , .		4
166	Big RF Data Assisted Cognitive Radio Network Coexistence in 3.5GHz Band. , 2017, , .		4
167	Primary Users' Operational Privacy Preservation via Data-Driven Optimization. , 2017, , .		4
168	Quantum Backscatter Communication with Photon Number States. , 2018, , .		4
169	Performance Analysis of Vertical and Higher Order Sectorization in Urban Environment at 28 GHz. , 2019, , .		4
170	Energy-Efficient UAV Communications with Interference Management: Deep Learning Framework. , 2020, , .		4
171	Quantum-Enhanced Microwave Backscattering Communications. IEEE Communications Magazine, 2020, 58, 80-85.	6.1	4
172	Ultra-Low-Power Wide Range Backscatter Communication Using Cellular Generated Carrier. Sensors, 2021, 21, 2663.	3.8	4
173	Localized Multiple Next-hop Routing Protocol (LMNR). , 2007, , .		3
174	Time and antenna diversity in wireless sensor and actuator networks. , 2009, , .		3
175	Energy-adaptive scheduling and queue management in wireless LAN mesh networks. , 2010, , .		3
176	Channel ranking algorithm and ranking error bounds: A two channel case. , 2011, , .		3
177	A decision theoretic approach for channel ranking in crowded unlicensed bands. Wireless Networks, 2011, 17, 907-919.	3.0	3
178	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
179	Per-Node Throughput Performance of Overlapping Cognitive Radio Networks. , 2012, , .		3
180	Voice service in cognitive networks over the TV spectrum. IET Communications, 2012, 6, 991.	2.2	3

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181	Stochastic packet collision modeling in coexisting wireless networks for link quality evaluation. , 2013, , .		3
182	Utility-based resource allocation in LTE-Advanced heterogeneous networks. , 2013, , .		3
183	Log-cumulants-based Edgeworth expansion for skew-distributed aggregate interference. , 2014, , .		3
184	Repeated spectrum sharing games in multi-operator heterogeneous networks. , 2015, , .		3
185	Spectrum sharing in D2D enabled HetNet. , 2015, , .		3
186	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
187	Experimental accuracy assessment of radio tomographic imaging methods. , 2016, , .		3
188	Asymptotic Expansions for Heavy-tailed Data. IEEE Signal Processing Letters, 2016, , 1-1.	3.6	3
189	Traffic offloading based energy saving market for cellular operators. , 2017, , .		3
190	Dynamic pilot scheduling scheme for 5G outdoor ultra-dense network. , 2017, , .		3
191	Location-aware beamformed downlink control channel for ultra-dense networks. , 2017, , .		3
192	Modeling and Analysis of Dynamic Pilot Scheduling scheme for 5G Ultra-Dense Network. , 2018, , .		3
193	Statistical Analysis of Downlink Transmissions for Ultra-Reliable Low-Latency Communications. , 2018, , .		3
194	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
195	Constructing Measures of Sparsity. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 3643-3654.	5.7	3
196	Analysis of Drone Propagation With Ray Tracing From Sub-6 GHz Upto Terahertz Frequencies in a Real World Urban Environment. , 2021, , .		3
197	Adaptive Physical Layer Selection for Bluetooth 5: Measurements and Simulations. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	1.2	3
198	Wireless Control of Mobile Robot Squad with Link Failure. , 2008, , .		3

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199	Framework for Random Power Allocation of Wireless Sensor Networks in Fading Channels. <i>Wireless Sensor Network</i> , 2012, 04, 76-83.	1.3	3
200	Outdoor to Indoor Path Loss Measurement at 1.8GHz, 3.5GHz, 6.5GHz, and 26GHz Commercial Frequency Bands. , 2021, , .		3
201	Two-Hop Two-Slot CDMA Uplink - Multi-Cell Considerations. , 2006, , .		2
202	Signal Model for Dynamic Spectrum Allocation Close to the Cell Border of a Primary Transmitter. , 2008, , .		2
203	OFDM sensing in low SNR with noise uncertainty. , 2009, , .		2
204	High energy efficiency schemes in multiple relays cooperative network with analog network coding. , 2010, , .		2
205	Wireless Networking for Control: Technologies and Models. <i>Lecture Notes in Control and Information Sciences</i> , 2010, , 31-74.	1.0	2
206	MEA: an energy efficient algorithm for dense sector-based wireless sensor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012, 2012, .	2.4	2
207	Real-time radio emulation environment for combat net radio networks. , 2013, , .		2
208	Proportional Fair Power Allocation for Secondary Transmitters in the TV White Space. <i>Journal of Electrical and Computer Engineering</i> , 2013, 2013, 1-8.	0.9	2
209	Converged heterogeneous networks with transmit order and base-station-to-base-station interference cancellation. , 2015, , .		2
210	Energy saving market for mobile operators. , 2015, , .		2
211	Spectrum sharing for MTC devices in LTE. , 2015, , .		2
212	Estimating KPIs in deployed heterogeneous networks. , 2016, 54, 158-165.		2
213	Noncoherent MIMO Codes Construction Using Autoencoders. , 2019, , .		2
214	Secrecy Limits of Energy Harvesting IoT Networks under Channel Imperfections. , 2020, , .		2
215	Monostatic Backscatter Communication in Urban Microcellular Environment Using Cellular Networks. , 2020, , .		2
216	Interference control in cognitive wireless networks by tuning the carrier sensing threshold. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
217	Received Signal Strength Models for Narrowband Radios. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 50-87.	0.4	2
218	Performance Analysis of Wireless Deaf CDMA Sensor Networks in Fading Channels. IEEE Vehicular Technology Conference, 2007, , .	0.4	1
219	Load Balanced AODV - An Improvement of Performance and Fairness. , 2007, , .		1
220	Call admission control with active link protection for Opportunistic wireless networks. Telecommunication Systems, 2009, 41, 13-23.	2.5	1
221	Uplink Inter-Cell Interference Coordination by Nash Bargaining for OFDMA Networks. , 2010, , .		1
222	Performance of target tracking applications in multi-channel wireless sensor networks. , 2012, , .		1
223	On $\epsilon$ -proportional fair packet scheduling in OFDMA downlink. , 2012, , .		1
224	Synchronized TV Whitespace Spectrum Access. , 2014, , .		1
225	Performance Bounds of Prioritized Access in Coexisting Cognitive Radio Networks. , 2014, , .		1
226	Compressive Data Aggregation from Poisson point process observations. , 2015, , .		1
227	Angular Domain Data-Assisted Channel Estimation for Pilot Decontamination in Massive MIMO. Mobile Information Systems, 2017, 2017, 1-9.	0.6	1
228	Analog Beamforming for mmW Circular Arrays with Limited Number of RF Chains. , 2018, , .		1
229	Reliability and Availability Enhancements of the 5G Connectivity for Factory Automation. , 2019, , .		1
230	DAS and UDN Solutions for Indoor Coverage at Millimeter Wave (mmWave) Frequencies. , 2019, , .		1
231	Measurements and Ray Tracing Simulations: Impact of Different Antenna Positions on Meeting Room Coverage at 60 GHz. , 2020, , .		1
232	Rogue Device Mitigation in the Internet of Things: A Blockchain-Based Access Control Approach. Mobile Information Systems, 2020, 2020, 1-13.	0.6	1
233	Dual Connectivity in Non-Stand Alone Deployment mode of 5G in Manhattan Environment. , 2020, , .		1
234	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

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