

Interference coordination for dense wireless networks

IEEE Communications Magazine

53, 102-109

DOI: [10.1109/mcom.2015.7010522](https://doi.org/10.1109/mcom.2015.7010522)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Redesigning performance appraisals for improved management. , 0, , .		0
2	Experimental Results and Modeling Techniques for Substrate Noise in MixedSignal Integrated Circuits. , 2009, , .		0
3	DeltaSigma A/Ds with Reduced Sensitivity To Op AMP Noise and Gain. , 2009, , 223-226.		0
4	Small Cell Interference Management. , 2015, , 91-120.		0
5	Small Cell Optimization. , 2015, , 121-144.		1
6	An adaptive frequency-domain interference coordination approach for different deployment of smallcell in heterogeneous network. , 2015, , .		0
8	A Survey on Energy Conserving Mechanisms for the Internet of Things: Wireless Networking Aspects. Sensors, 2015, 15, 24818-24847.	2.1	163
9	Interference characterization and mitigation benefit analysis for LTE-A macro and small cell deployments. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, , .	1.5	10
10	Increasing Reliability by Means of Root Cause Aware HARQ and Interference Coordination. , 2015, , .		4
11	Signal Quality Outage Analysis for Ultra-Reliable Communications in Cellular Networks. , 2015, , .		44
12	Recent advances in Green Internet of Things. , 2015, , .		19
13	Coordinated Scheduling for Advanced UE Receivers Using Belief Propagation. , 2015, , .		5
14	A clustered caching placement in heterogeneous small cell networks with user mobility. , 2015, , .		13
15	A novel localization algorithm for Internet of Things in 3D. , 2015, , .		2
16	A unified design of spectrum, energy, and cost efficient ultra-dense small cell networks. , 2015, , .		4
17	Worst-Case Cooperative Jamming for Secure Communications in CloT Networks. Sensors, 2016, 16, 339.	2.1	23
18	Cooperative Game-Based Energy Efficiency Management over Ultra-Dense Wireless Cellular Networks. Sensors, 2016, 16, 1475.	2.1	6
19	A Cluster-Based Resource Allocation Strategy with Energy Harvesting in Dense Small-Cell Networks. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
20	Performance evaluation of JT CoMP approach: Tractable model using spatial fluid modeling. , 2016, , .		5
21	Performance analysis of ambient backscattering for green Internet of Things. , 2016, , .		7
22	Data Distribution in IoT Networks with Estimation of Packet Error Rate. , 2016, , .		6
23	Hierarchical Resource Allocation Framework for Hyper-Dense Small Cell Networks. IEEE Access, 2016, 4, 8657-8669.	2.6	45
24	Distributed spectral efficiency maximization in full-duplex cellular networks. , 2016, , .		14
25	Group communication over LTE: a radio access perspective. , 2016, 54, 16-23.		19
26	Ultra-Dense Networks: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 2522-2545.	24.8	747
27	5G Ultra-Dense Cellular Networks. IEEE Wireless Communications, 2016, 23, 72-79.	6.6	881
28	Energy efficient techniques for M2M communication: A survey. Journal of Network and Computer Applications, 2016, 68, 42-55.	5.8	34
29	Interference and QoS aware channel segregation for heterogeneous networks: A preliminary study. , 2016, , .		0
30	Spectral efficient and fair user pairing for full-duplex communication in cellular networks. IEEE Transactions on Wireless Communications, 2016, 15, 7578-7593.	6.1	29
33	Improving Dense Network Performance through Centralized Scheduling and Interference Coordination. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	13
34	Ultra-Dense Networks: Survey of State of the Art and Future Directions. , 2016, , .		76
35	A new circuit design framework for IoT devices: Charge-recycling with wireless power harvesting. , 2016, , .		9
36	In-band full duplex broadband power line communications. IEEE Transactions on Communications, 2016, 64, 3915-3931.	4.9	47
37	Research and Practical Issues of Enterprise Information Systems. Lecture Notes in Business Information Processing, 2016, , .	0.8	1
38	On the performance of wireless energy harvesting TAS/MRC relaying networks over Nakagami-m fading channels. , 2016, , .		5
39	Physical layer aspects of wireless IoT. , 2016, , .		19

#	ARTICLE	IF	CITATIONS
40	Admission control and power allocation for energy harvesting systems with QoS provisioning. , 2016, , ,		2
41	Wind Energy Harvesting for Autonomous Wireless Sensor Networks. , 2016, , .		36
42	Enhancing transmission efficiency of broadband PLC systems with In-Band Full Duplexing. , 2016, , .		12
43	QoS Provisioning Based Resource Allocation for Energy Harvesting Systems. IEEE Transactions on Wireless Communications, 2016, , 1-1.	6.1	11
44	Passive and Active Electrical Balance Duplexers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 94-98.	2.2	32
45	Energy-Assisted Information Detection for Simultaneous Wireless Information and Power Transfer: Performance Analysis and Case Studies. IEEE Transactions on Signal and Information Processing Over Networks, 2016, 2, 149-159.	1.6	12
46	Internet of Things in the 5G Era: Enablers, Architecture, and Business Models. IEEE Journal on Selected Areas in Communications, 2016, 34, 510-527.	9.7	1,113
47	Advances in Energy Harvesting Communications: Past, Present, and Future Challenges. IEEE Communications Surveys and Tutorials, 2016, 18, 1384-1412.	24.8	453
48	Energy-Efficient Two-Way Relaying Under Non-ideal Power Amplifiers. IEEE Transactions on Vehicular Technology, 2017, 66, 1257-1270.	3.9	25
49	² RES: Integrated Information Relay and Energy Supply Assisted RF Harvesting Communication. IEEE Transactions on Communications, 2017, 65, 1274-1288.	4.9	23
50	A Survey on Software-Defined Wireless Sensor Networks: Challenges and Design Requirements. IEEE Access, 2017, 5, 1872-1899.	2.6	360
51	Centralized Energy-Efficient Multiuser Multiantenna Relaying in Next-Generation Radio Access Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7913-7924.	3.9	7
52	Semi-Clustering of Victim-Cells Approach for Interference Management in Ultra-Dense Femtocell Networks. IEEE Access, 2017, 5, 9032-9043.	2.6	23
53	On the General Analysis of Coordinated Regularized Zero-Forcing Precoding: An Application to Two-Tier Small-Cell Networks. IEEE Transactions on Communications, 2017, 65, 3133-3150.	4.9	16
54	Point-to-Point Wireless Information and Power Transfer in WBAN With Energy Harvesting. IEEE Access, 2017, 5, 8620-8628.	2.6	37
55	Power optimization for multiple QoS, delay, and BER classes relying on finite-delay information theory. Journal of Communications and Information Networks, 2017, 2, 33-40.	3.5	0
56	Design of hydro electromagnetic and piezoelectric energy harvesters for a smart water meter system. Sensors and Actuators A: Physical, 2017, 261, 261-267.	2.0	21
57	Exploiting Interference for Energy Harvesting: A Survey, Research Issues, and Challenges. IEEE Access, 2017, 5, 10403-10421.	2.6	107

#	ARTICLE	IF	CITATIONS
58	Modeling and Analysis of Ambient RF Energy Harvesting in Networks with Secrecy Guard Zones. , 2017, , .		6
59	Distributed User Association in Energy Harvesting Dense Small Cell Networks: A Mean-Field Multi-Armed Bandit Approach. IEEE Access, 2017, 5, 3513-3523.	2.6	30
60	Analyses of electromagnetic and piezoelectric systems for efficient vibration energy harvesting. , 2017, , .		5
61	Resource and Mobility Management in the Network Layer of 5G Cellular Ultra-Dense Networks. IEEE Communications Magazine, 2017, 55, 162-169.	4.9	67
63	5G: A Tutorial Overview of Standards, Trials, Challenges, Deployment, and Practice. IEEE Journal on Selected Areas in Communications, 2017, 35, 1201-1221.	9.7	1,536
64	QoE-Energy Aware Opportunistic Interference Scaling in Dense Heterogeneous Networks. Wireless Personal Communications, 2017, 92, 1801-1827.	1.8	0
65	Distributed Interference and Energy-Aware Power Control for Ultra-Dense D2D Networks: A Mean Field Game. IEEE Transactions on Wireless Communications, 2017, 16, 1205-1217.	6.1	102
66	Distributed Optimal Cooperation for Spectral and Energy Efficiency in Hyper-Dense Small Cell Networks. IEEE Wireless Communications, 2017, 24, 154-160.	6.6	8
67	Energy harvested roadside IEEE 802.15.4 wireless sensor networks for IoT applications. Ad Hoc Networks, 2017, 56, 109-121.	3.4	31
68	Interference-Aware Energy Efficiency Maximization in 5G Ultra-Dense Networks. IEEE Transactions on Communications, 2017, 65, 728-739.	4.9	74
69	Joint Power Waveforming and Beamforming for Wireless Power Transfer. IEEE Transactions on Signal Processing, 2017, 65, 6409-6422.	3.2	14
71	Energy harvesting wireless sensors for smart cities. , 2017, , .		7
72	Energy-based adaptive multiple access in LPWAN IoT systems with energy harvesting. , 2017, , .		14
73	Real-Time Energy Trading and Future Planning for Fifth Generation Wireless Communications. IEEE Wireless Communications, 2017, 24, 24-30.	6.6	32
74	Self-Interference Cancellation Antenna Using Auxiliary Port Reflection for Full-Duplex Application. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2873-2876.	2.4	37
75	Agile Blocker and Clock Jitter Tolerant Low-Power Frequency Selective Receiver with Energy Harvesting Capability. Scientific Reports, 2017, 7, 9658.	1.6	2
76	Coordinated multi-cell resource allocation for 5G ultra-reliable low latency communications. , 2017, , .		16
77	Ultra Low Power Wake-Up Radios: A Hardware and Networking Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 2117-2157.	24.8	193

#	ARTICLE	IF	CITATIONS
78	Signal Detection Scheme in Ambient Backscatter System With Multiple Antennas. IEEE Access, 2017, 5, 14543-14547.	2.6	32
79	Battery-less pork freshness real-time monitoring system with high efficient RF energy scavenging. , 2017, , .		2
80	Visual Hysteresis Based Dynamic Interference Shaping for Real-Time Video Services in Dense Deployed Cellular Networks. Wireless Personal Communications, 2017, 96, 5221-5238.	1.8	0
82	Performance Analysis of Downlink Coordinated Multipoint Joint Transmission in Ultra-Dense Networks. IEEE Network, 2017, 31, 106-114.	4.9	35
83	A Power Allocation Algorithm For Multi-Tier Cellular Networks With Heterogeneous QoS and Imperfect Channel Considerations. IEEE Transactions on Wireless Communications, 2017, 16, 7184-7194.	6.1	18
84	MIMO-OFDM Based Energy Harvesting Cooperative Communications Using Coalitional Game Algorithm. IEEE Transactions on Vehicular Technology, 2017, 66, 11166-11179.	3.9	11
85	Simultaneous wireless information and power transfer over inductively coupled circuits. , 2017, , .		2
86	QoS based power control for small cell networks. , 2017, , .		0
87	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.	6.1	37
89	Power allocation for energy harvesting in Wireless Body Area Networks. China Communications, 2017, 14, 22-31.	2.0	16
90	Dynamic Performance of Electrical Balance Duplexing in a Vehicular Scenario. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1855-1858.	2.4	8
91	Prototype for multidisciplinary research in the context of the Internet of Things. Journal of Network and Computer Applications, 2017, 78, 146-161.	5.8	12
92	Energy Efficient Clustering and Beamforming for Cloud Radio Access Networks. Mobile Networks and Applications, 2017, 22, 589-601.	2.2	4
93	Physical layer security in simultaneous wireless information and power transfer networks. , 2017, , .		5
94	A Self-Sustainable RF Energy Harvesting Algorithm for WSN-Based IoT Applications. , 2017, , .		6
95	Performance appraisal of Wireless Energy Harvesting in IoT. , 2017, , .		8
96	A 120GHz in-band full-duplex PMF transceiver with tunable electrical-balance duplexer in 40nm CMOS. , 2017, , .		2
97	Information-Centric networking in environmental monitoring: An overview on publish-subscribe implementations. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
98	Computational power analysis of wireless communications systems using operation-level power measurements. , 2017, , .		2
99	Two-way energy trading and online planning for fifth-generation communications with renewables. , 2017, , .		0
100	Adaptive Multiuser Scheduling for Simultaneous Wireless Information and Power Transfer in a Multicell Environment. IEEE Transactions on Wireless Communications, 2017, 16, 7460-7474.	6.1	13
101	On-Demand Power Boost and Cell Muting for High Reliability and Low Latency in 5G. , 2017, , .		10
102	Energy efficient AC computing methodology for wirelessly powered IoT devices. , 2017, , .		9
103	Energy Efficiency Optimization with Statistical QoS Provisioning for Energy Harvesting Networks. , 2017, , .		6
104	An Efficient Digital Background Control for Hybrid Transformer-Based Receivers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 3068-3080.	3.5	4
105	Electrical Balance Duplexer Field Trials in High-Speed Rail Scenarios. IEEE Transactions on Antennas and Propagation, 2017, 65, 6068-6075.	3.1	11
106	Long-range wireless technologies for IoT applications: A review. , 2017, , .		29
107	Efficient data and energy transfer in IoT with a mobile cognitive base station. , 2017, , .		4
108	A Long-Distance RF-Powered Sensor Node with Adaptive Power Management for IoT Applications. Sensors, 2017, 17, 1732.	2.1	29
109	Statistical-QoS Guaranteed Energy Efficiency Optimization for Energy Harvesting Wireless Sensor Networks. Sensors, 2017, 17, 1933.	2.1	6
110	Average Throughput Performance of Myopic Policy in Energy Harvesting Wireless Sensor Networks. Sensors, 2017, 17, 2206.	2.1	9
111	Optimal Rate Schedules with Data Sharing in Energy Harvesting Communication Systems. Sensors, 2017, 17, 2958.	2.1	1
112	IoTâ€™s Tiny Steps towards 5G: Telcoâ€™s Perspective. Symmetry, 2017, 9, 213.	1.1	18
113	Improving Performance in Dense Wireless Spaces by Controlling Bulk Traffic. Mobile Information Systems, 2017, 2017, 1-11.	0.4	0
114	An adaptive clustering approach for small cell in ultra-dense networks. , 2017, , .		5
115	Energy harvesting in IoT devices: A survey. , 2017, , .		36

#	ARTICLE	IF	CITATIONS
116	Context-aware radio resource management below 6GHz for enabling dynamic channel assignment in the 5G era. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	1.5	2
117	Green Cyber-Physical Systems. , 2017, , 225-237.		1
118	Cross-Layer Energy Optimization for IoT Environments: Technical Advances and Opportunities. Energies, 2017, 10, 2073.	1.6	37
119	Optimal Base Station Density of Dense Network: From the Viewpoint of Interference and Load. Sensors, 2017, 17, 2077.	2.1	3
120	Performance of Energy Harvesting Receivers With Power Optimization. IEEE Transactions on Communications, 2018, 66, 1309-1321.	4.9	5
121	Multicast beamforming with LOS self-interference cancellation in full-duplex wireless communications. International Journal of Communication Systems, 2018, 31, e3544.	1.6	3
122	Distributed Interference-Aware Power Control in Ultra-Dense Small Cell Networks: A Robust Mean Field Game. IEEE Access, 2018, 6, 12608-12619.	2.6	26
123	Optimal Fairness-Aware Time and Power Allocation in Wireless Powered Communication Networks. IEEE Transactions on Communications, 2018, 66, 3122-3135.	4.9	25
124	Trackside Loss Analysis: An Application in a Radio-Frequency Chain of a Communication-Based Train Control System. IEEE Vehicular Technology Magazine, 2018, 13, 105-113.	2.8	0
125	On Dual-Path Energy-Harvesting Receivers for IoT With Batteries Having Internal Resistance. IEEE Internet of Things Journal, 2018, 5, 2741-2752.	5.5	15
126	A New Relay Policy in RF Energy Harvesting for IoT Networks—A Cooperative Network Approach. IEEE Internet of Things Journal, 2018, 5, 2715-2728.	5.5	26
127	Energy efficient link stable routing in internet of things. International Journal of Information Technology (Singapore), 2018, 10, 465-479.	1.8	11
128	Design of incentive scheme using contract theory in energy-harvesting enabled sensor networks. Physical Communication, 2018, 28, 166-175.	1.2	3
129	EYES: Mitigating forwarding misbehavior in energy harvesting motivated networks. Computer Communications, 2018, 124, 17-30.	3.1	21
130	Simultaneous Wireless Information and Power Transfer for Internet of Things Sensor Networks. IEEE Internet of Things Journal, 2018, 5, 2829-2843.	5.5	46
131	Influence of Typical Railway Objects in a mmWave Propagation Channel. IEEE Transactions on Vehicular Technology, 2018, 67, 2880-2892.	3.9	32
132	Decentralized Robust Transceiver Designs for MISO SWIPT Interference Channel. IEEE Access, 2018, 6, 4537-4546.	2.6	7
133	Review of Internet of Things (IoT) in Electric Power and Energy Systems. IEEE Internet of Things Journal, 2018, 5, 847-870.	5.5	460

#	ARTICLE	IF	CITATIONS
134	A SAW-Less Tunable RF Front End for FDD and IBFD Combining an Electrical-Balance Duplexer and a Switched-LC; N-Path LNA. IEEE Journal of Solid-State Circuits, 2018, 53, 1431-1442.	3.5	51
135	Mean Field Game-Theoretic Framework for Interference and Energy-Aware Control in 5G Ultra-Dense Networks. IEEE Wireless Communications, 2018, 25, 114-121.	6.6	28
136	Self-Sustainability of Energy Harvesting Systems: Concept, Analysis, and Design. IEEE Transactions on Green Communications and Networking, 2018, 2, 175-192.	3.5	18
137	Beamforming in Wireless Energy Harvesting Communications Systems: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1329-1360.	24.8	119
138	Interference Coordination for 5G New Radio. IEEE Wireless Communications, 2018, 25, 131-137.	6.6	38
139	Coordinated Multipoint-Based Uplink Transmission in Internet of Things Powered by Energy Harvesting. IEEE Internet of Things Journal, 2018, 5, 2585-2595.	5.5	35
140	Joint Uplink and Downlink Coverage Analysis of Cellular-based RF-powered IoT Network. IEEE Transactions on Green Communications and Networking, 2018, 2, 446-459.	3.5	39
141	A Low-Complexity Power Allocation Method in Ultra-dense Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 155-163.	0.2	0
142	Energy efficiency and accuracy of solar powered BLE beacons. Computer Communications, 2018, 119, 94-100.	3.1	29
143	An FDD Wireless Diversity Receiver With Transmitter Leakage Cancellation in Transmit and Receive Bands. IEEE Journal of Solid-State Circuits, 2018, 53, 1945-1959.	3.5	18
144	Bidirectional Communication Circuits for a 120-GHz PMF Data Link in 40-nm CMOS. IEEE Journal of Solid-State Circuits, 2018, 53, 2023-2031.	3.5	24
145	Performance analysis of energy harvesting DF relay system in generalized-fading environment. Physical Communication, 2018, 28, 190-200.	1.2	10
146	Energy-Efficient Transmission of Hybrid Array With Non-Ideal Power Amplifiers and Circuitry. IEEE Transactions on Wireless Communications, 2018, 17, 3945-3958.	6.1	6
147	Accumulate Then Transmit: Multiuser Scheduling in Full-Duplex Wireless-Powered IoT Systems. IEEE Internet of Things Journal, 2018, 5, 2753-2767.	5.5	39
148	A Novel Hierarchical Two-Tier Node Deployment Strategy for Sustainable Wireless Sensor Networks. IEEE Transactions on Sustainable Computing, 2018, 3, 236-247.	2.2	17
149	DTER: Optimal Two-Step Dual Tunnel Energy Requesting for RF-Based Energy Harvesting System. IEEE Internet of Things Journal, 2018, 5, 2768-2780.	5.5	8
150	Simultaneous Imaging and Energy Harvesting in CMOS Image Sensor Pixels. IEEE Electron Device Letters, 2018, 39, 532-535.	2.2	16
151	LTE in the Unlicensed Spectrum: A Survey. IETE Technical Review (Institution of Electronics and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.1	24

#	ARTICLE	IF	CITATIONS
152	Social C-RAN: Novel Futuristic Paradigm for Next-Generation Cellular Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 244-255.	2.1	0
153	Internet of Things for Smart Railway: Feasibility and Applications. IEEE Internet of Things Journal, 2018, 5, 482-490.	5.5	73
154	IoT security: Review, blockchain solutions, and open challenges. Future Generation Computer Systems, 2018, 82, 395-411.	4.9	1,686
155	Wireless Power Transfer and Data Collection in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2686-2697.	3.9	71
156	Deployment Challenges and Co-tier Interference Management Techniques for Ultra-dense Femtocell Networks. , 2018, , 239-252.		2
157	Ultra-Low Power IoT Traffic Monitoring System. , 2018, , .		2
158	JOINT ENERGY AND SINR COVERAGE IN ENERGY HARVESTING MMWAVE CELLULAR NETWORKS WITH USER-CENTRIC BASE STATION DEPLOYMENTS. , 2018, , .		4
159	Deep Learning for Radio-Frequency Energy Harvesting with Multiple Wireless Transmitters. , 2018, , .		3
160	Power Allocation and Mode Selection with Superposition Coding for Device-to-Device Networks. , 2018, , .		0
162	Affinity-Based User Clustering for Efficient Edge Caching in Content-Centric Cellular Networks. , 2018, , .		3
163	Wireless power transfer via Subterahertz-wave. Applied Sciences (Switzerland), 2018, 8, 2653.	1.3	19
164	Joint Scheduling and Power Control in CoMP: A Dynamic Bargaining Approach. , 2018, , .		1
165	An Energy-Efficient Node Deployment Strategy for Energy Harvesting-aided Wireless Sensor Networks. , 2018, , .		1
166	Security-Enhanced Relay and Jammer Selection for Energy-Harvesting IoT Networks. , 2018, , .		1
167	Wake-Up Radio Impact in Self-Sustainability of Sensor and Actuator Wireless Nodes in Smart Home Applications. , 2018, , .		3
168	When Hardware Security Moves to the Edge and Fog. , 2018, , .		3
169	Smart Energy Harvesting for Internet of Things. , 2018, , .		6
170	A Broadcast Approach to the Single-User Energy Harvesting Channel. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
172	Location-Aware Self-Optimization for Interference Management in Ultra-Dense Small Cell Networks. IEEE Communications Letters, 2018, 22, 2555-2558.	2.5	3
173	Low Complexity Wireless Powered Information Transfer Strategy for Multiuser MIMO Systems. IEEE Access, 2018, 6, 68612-68620.	2.6	4
174	Learning Aided Optimization for Energy Harvesting Devices with Outdated State Information. , 2018, , .		11
175	Why Use RF Energy Harvesting in Smart Grids. , 2018, , .		3
176	Exact Statistical Characterization of RF-Energy Harvesting over Nakagami-m Fading Channel. , 2018, , .		2
177	Positive Impact of Interference on RF Energy Harvesting for IoT Devices. , 2018, , .		3
178	The Race to 5G Era; LTE and Wi-Fi. IEEE Access, 2018, 6, 56598-56636.	2.6	44
179	Performance of Power Converters for Ultra Low Power Systems: A Review. , 2018, , .		11
180	Max-Min Fairness Energy Efficiency for Multi-User MIMO Wireless Powered Communication Networks. , 2018, , .		0
181	Asymptotically Throughput Optimal Scheduling for Energy Harvesting Wireless Sensor Networks. IEEE Access, 2018, 6, 45004-45020.	2.6	17
182	Optimal Radius of Exclusion Zone for Dense Cognitive Small Cell Networks. Wireless Personal Communications, 2018, 103, 2977-2993.	1.8	0
183	Cooperative spectrum sharing in cognitive radio networks with energy accumulation: design and analysis. IET Communications, 2018, 12, 1788-1796.	1.5	0
184	Next-generation RF-powered networks for Internet of Things: Architecture and research perspectives. Journal of Network and Computer Applications, 2018, 123, 23-31.	5.8	8
185	Energy Harvesting Sources, Storage Devices and System Topologies for Environmental Wireless Sensor Networks: A Review. Sensors, 2018, 18, 2446.	2.1	159
186	Secrecy Performance Analysis for Fixed-Gain Energy Harvesting in an Internet of Things With Untrusted Relays. IEEE Access, 2018, 6, 48247-48258.	2.6	18
187	Joint spectrum allocation and energy harvesting optimization in green powered heterogeneous cognitive radio networks. Computer Communications, 2018, 127, 36-49.	3.1	13
188	Energy and Spectral Efficient Cognitive Radio Sensor Networks for Internet of Things. IEEE Internet of Things Journal, 2018, 5, 3220-3233.	5.5	75
189	Fabrication of flexible thermoelectric generators with a lens array for near-infrared solar light harvesting. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
190	Through-package wireless powering via piezoelectric micromachined ultrasonic transducers. , 2018, , .		6
191	A Distributed Energy-Harvesting-Aware Routing Algorithm for Heterogeneous IoT Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 1115-1127.	3.5	106
192	Minimizing Energy Consumptions in User-Centric Ultra-Dense Networks. , 2018, , .		1
193	IoT Communications Network for Wireless Power Transfer System State Estimation and Stabilization. IEEE Internet of Things Journal, 2018, 5, 4142-4150.	5.5	34
194	Reinforcement learning for interference-aware cell DTX in heterogeneous networks. , 2018, , .		8
195	Wireless Powered Information Transfer Based on Zero-Forcing for Multiuser MIMO Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 8561-8570.	3.9	18
196	Tunable Frequency-Division Duplex RF Front End Using Electrical Balance and Active Cancellation. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5812-5824.	2.9	21
197	Recent Advances and Future Research Challenges in Non-Orthogonal Multiple Access for 5G Networks. , 2018, , .		16
198	A Hybrid Power Line/Wireless Dual-Hop System With Energy Harvesting Relay. IEEE Internet of Things Journal, 2018, 5, 4201-4211.	5.5	20
199	Optimization of Multiple Wireless Transmissions for Radio-Frequency Energy Harvesting. IEEE Communications Letters, 2018, 22, 2140-2143.	2.5	3
200	Secure beamforming for cognitive cyber-physical systems based on cognitive radio with wireless energy harvesting. Ad Hoc Networks, 2018, 81, 174-182.	3.4	11
201	Self-Interference Cancellation Enabling High-Throughput Short-Reach Wireless Full-Duplex Communication. IEEE Transactions on Wireless Communications, 2018, 17, 6475-6486.	6.1	32
202	Internet of Things for Modern Energy Systems: State-of-the-Art, Challenges, and Open Issues. Energies, 2018, 11, 1252.	1.6	67
203	Connectivity and coverage based protocols for wireless sensor networks. Ad Hoc Networks, 2018, 80, 54-69.	3.4	68
204	Marginal Contribution-Based Distributed Subchannel Allocation in Small Cell Networks. Sensors, 2018, 18, 1500.	2.1	1
205	The Role of Internet of Things (IoT) in Smart Cities: Technology Roadmap-oriented Approaches. Sustainability, 2018, 10, 1388.	1.6	121
206	Adaptive hybrid circuit for enhanced echo cancellation in full duplex PLC. , 2018, , .		9
207	Cognitive radio : A method to achieve spectrum sharing in LTE-R system. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
208	Internet of Things (IoT): A review of enabling technologies, challenges, and open research issues. <i>Computer Networks</i> , 2018, 144, 17-39.	3.2	499
209	An analysis of energy consumption under various memory mappings for FRAM-based IoT devices. , 2018, , .		4
210	Wireless energy harvesting: Empirical results and practical considerations for Internet of Things. <i>Journal of Network and Computer Applications</i> , 2018, 121, 149-158.	5.8	45
211	Jointly Optimizing User Association and BS Muting for Cache-Enabled Networks With Network-Coded Multicast and Reconstructed Interference Cancellation. <i>IEEE Transactions on Communications</i> , 2018, 66, 5539-5553.	4.9	3
212	Distributed Energy Beamforming and Information Transfer for Multiway Relay Networks. <i>IEEE Access</i> , 2018, 6, 38977-38985.	2.6	2
213	Energy Sustainable IoT With Individual QoS Constraints Through MISO SWIPT Multicasting. <i>IEEE Internet of Things Journal</i> , 2018, 5, 2856-2867.	5.5	47
214	Interference-aware distributed control of cell discontinuous transmission. , 2018, , .		3
215	Application-layer overlay networks for communication-based train control systems. , 2018, , .		2
216	A power allocation scheme using non-cooperative game theory in ultra-dense networks. , 2018, , .		3
217	Lightweight Block Ciphers for IoT: Energy Optimization and Survivability Techniques. <i>IEEE Access</i> , 2018, 6, 35966-35978.	2.6	72
218	Distributed Interference-Aware Traffic Offloading and Power Control in Ultra-Dense Networks: Mean Field Game With Dominating Player. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 8814-8826.	3.9	26
219	RF Energy Harvesting Wireless Communications: RF Environment, Device Hardware and Practical Issues. <i>Sensors</i> , 2019, 19, 3010.	2.1	66
220	Towards a Green and Self-Powered Internet of Things Using Piezoelectric Energy Harvesting. <i>IEEE Access</i> , 2019, 7, 94533-94556.	2.6	133
221	Simultaneous harvest-and-transmit ambient backscatter communications under Rayleigh fading. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2019, 2019, .	1.5	39
222	Validation of Backscatter Link Budget Simulations with Measurements at 915 MHz and 2.4 GHz. , 2019, , .		14
223	Sensors and Control Interface Methods Based on Triboelectric Nanogenerator in IoT Applications. <i>IEEE Access</i> , 2019, 7, 92745-92757.	2.6	54
224	Technical Issues on Cognitive Radio-Based Internet of Things Systems: A Survey. <i>IEEE Access</i> , 2019, 7, 97887-97908.	2.6	124
225	Electrical Performance of a Piezo-inductive Device for Energy Harvesting with Low-Frequency Vibrations. <i>Actuators</i> , 2019, 8, 55.	1.2	3

#	ARTICLE	IF	CITATIONS
226	Cloud-Aided Cognitive Ambient Backscatter Wireless Sensor Networks. IEEE Access, 2019, 7, 57399-57414.	2.6	32
227	Cascaded power management unit characterization for TEG-based IoT devices in 65nm CMOS. Microelectronics Journal, 2019, 90, 285-296.	1.1	7
228	Challenges and Opportunities in VLSI IoT Devices and Systems. IEEE Design and Test, 2019, 36, 24-30.	1.1	10
229	Transmission Policy of Two-Way Relay Networks With Multiple Stochastic Energy Harvesting Nodes. IEEE Access, 2019, 7, 76967-76984.	2.6	2
230	An Important Factor Affecting the Supercapacitive Properties of Hydrogenated TiO ₂ Nanotube Arrays: Crystal Structure. Nanoscale Research Letters, 2019, 14, 229.	3.1	18
231	Preferable Adsorption of Nitrogen and Phosphorus from Agricultural Wastewater Using Thermally Modified Zeolite-Diatomite Composite Adsorbent. Water (Switzerland), 2019, 11, 2053.	1.2	10
232	JSSA: Joint Sidelobe Suppression Approach for Collaborative Beamforming in Wireless Sensor Networks. IEEE Access, 2019, 7, 151803-151817.	2.6	17
233	A Bayesian Regression Based LTE-R Handover Decision Algorithm for High-Speed Railway Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 10160-10173.	3.9	17
234	Power Control in Energy Harvesting Multiple Access System With Reinforcement Learning. IEEE Internet of Things Journal, 2019, 6, 9175-9186.	5.5	37
235	Investigation of the Effect of Boundary Condition on the Property of TRIP Steel by Finite Element Simulation. IOP Conference Series: Earth and Environmental Science, 2019, 267, 042160.	0.2	0
236	An Energy-Efficient Transmission Strategy for Cache-Enabled Wireless Networks With Non-Negligible Circuit Power. IEEE Access, 2019, 7, 74811-74821.	2.6	5
237	Wireless Power Transmission Powering Miniaturized Low Power IoT devices: A Review. , 2019, , .		15
238	Increasing Energy Efficiency by Minimizing Collisions in Long-Range IoT Networks. , 2019, , .		8
239	Truthful Mechanism Design for Wireless Powered Network With Channel Gain Reporting. IEEE Transactions on Communications, 2019, 67, 7966-7979.	4.9	7
240	UAV-Assisted RFET: A Novel Framework for Sustainable WSN. IEEE Transactions on Green Communications and Networking, 2019, 3, 1117-1131.	3.5	26
241	A New Planning-Based Collision-Prevention Mechanism in Long-Range IoT Networks. IEEE Internet of Things Journal, 2019, 6, 9439-9446.	5.5	13
242	Joint Power Waveforming and Beamforming. , 2019, , 334-362.		0
243	A Reinforcement Learning Based Intercell Interference Coordination in LTE Networks. Future Internet, 2019, 11, 19.	2.4	3

#	ARTICLE	IF	CITATIONS
245	A computation offloading method over big data for IoT-enabled cloud-edge computing. Future Generation Computer Systems, 2019, 95, 522-533.	4.9	252
246	Smart Transducers for Energy Scavenging and Sensing in Vibrating Environments. Lecture Notes in Electrical Engineering, 2019, , 591-598.	0.3	1
247	Energy-Efficient System Design for Internet of Things (IoT) Devices. Studies in Systems, Decision and Control, 2019, , 49-74.	0.8	1
248	Energy harvesting-based data uploading for Internet of Things. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	2
249	Intelligent Scheduling and Power Control for Multimedia Transmission in 5G CoMP Systems: A Dynamic Bargaining Game. IEEE Journal on Selected Areas in Communications, 2019, 37, 1622-1631.	9.7	16
250	A New Trend to Power Up Next-Generation Internet of Things (IoT) Devices: â€˜Rectennaâ€™™. Studies in Systems, Decision and Control, 2019, , 331-356.	0.8	2
251	A self-powered multi-broadcasting wireless sensing system realized with an all-in-one triboelectric nanogenerator. Nano Energy, 2019, 62, 691-699.	8.2	31
252	Flowâ€‘based electromagneticâ€‘type energy harvester using microplanar coil for IoT sensors application. International Journal of Energy Research, 2019, 43, 5384-5391.	2.2	12
253	DA-DRLS: Drift adaptive deep reinforcement learning based scheduling for IoT resource management. Journal of Network and Computer Applications, 2019, 138, 51-65.	5.8	29
254	Energy Conservation for IoT Devices. Studies in Systems, Decision and Control, 2019, , .	0.8	19
255	Massive Access for Cellular Internet of Things Theory and Technique. Springer Briefs in Electrical and Computer Engineering, 2019, , .	0.3	40
256	Hybrid solar energy harvesting and storage devices: The promises and challenges. Materials Today Energy, 2019, 13, 22-44.	2.5	71
257	Dynamic UE-Grouping Based Interference Management for Ultra-Dense Networks. , 2019, , .		0
258	Demystifying IoT Security: An Exhaustive Survey on IoT Vulnerabilities and a First Empirical Look on Internet-Scale IoT Exploitations. IEEE Communications Surveys and Tutorials, 2019, 21, 2702-2733.	24.8	468
259	Energy Efficient Designs of Ultra-Dense IoT Networks With Nonideal Optical Front-Hauls. IEEE Internet of Things Journal, 2019, 6, 7934-7945.	5.5	15
260	Efficient Resource Allocation for IoT Cellular Networks in the Presence of Inter-Band Interference. IEEE Transactions on Communications, 2019, 67, 4299-4308.	4.9	13
261	Geometry-Based Modeling of Self-Interference Channels for Outdoor Scenarios. IEEE Transactions on Antennas and Propagation, 2019, 67, 3297-3307.	3.1	7
262	Energy-Adaptive Error Correcting for Dynamic and Heterogeneous Networks. Proceedings of the IEEE, 2019, 107, 765-777.	16.4	2

#	ARTICLE	IF	CITATIONS
263	Differential Fed Antenna With High Self-Interference Cancellation for In-Band Full-Duplex Communication System. IEEE Access, 2019, 7, 45340-45348.	2.6	16
264	Tailoring Opto-electrical properties of ultra-thin indium tin oxide films via filament doping: Application as a transparent cathode for indoor organic photovoltaics. Journal of Power Sources, 2019, 424, 165-175.	4.0	27
265	Joint Antenna Array Mode Selection and User Assignment for Full-Duplex MU-MISO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 2946-2963.	6.1	22
266	Context-aware energy optimization for perpetual IoT-based safe communities. Sustainable Computing: Informatics and Systems, 2019, 22, 96-106.	1.6	14
267	A Sum-Utility Maximization Approach for Fairness Resource Allocation in Wireless Powered Body Area Networks. IEEE Access, 2019, 7, 20014-20022.	2.6	14
268	Hybrid Printed Energy Harvesting Technology for Self-Sustainable Autonomous Sensor Application. Sensors, 2019, 19, 728.	2.1	14
269	MF-TDMA Scheduling Algorithm for Multi-Spot Beam Satellite Systems Based on Co-Channel Interference Evaluation. IEEE Access, 2019, 7, 4391-4399.	2.6	9
270	PLL-based electrical balance CMOS integrated duplexer with hybrid transformer. Analog Integrated Circuits and Signal Processing, 2019, 99, 669-677.	0.9	0
271	Inkjet 3D printed vibrational energy harvester. , 2019, , .		2
272	Software architecture of Automatic Train Operation. , 2019, , .		1
273	Indoor Channel Characterisation and Modelling for 5G Applications at 22GHz. , 2019, , .		0
274	Least Mean Fourth Algorithm for Seismocardiography Signal Detections. , 2019, , .		1
275	Accurate measurement of Kinetic Friction Coefficient by using two types of tribometer. , 2019, , .		1
276	Design of Automatic Drain System for Freshwater Fish Pond Based on ZigBee Networks and SMS Gateway. , 2019, , .		1
277	Train Wheel Rim Degradation Modeling based on Generalized Linear Mixed Effect Model. , 2019, , .		1
278	Versatile Simulation Platform for Turboshift Engine Control System. , 2019, , .		1
279	Research and Design of Intelligent Welding System for Reinforcement Mesh. , 2019, , .		0
280	A Review of Different Methods of Phase Measurement and its Suitable Applications. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
281	Demonstrating FOP4: A Flexible Platform to Prototype NFV Offloading Scenarios. , 2019, , .		2
282	A Novel Coding Metasurface for Wireless Power Transfer Applications. Energies, 2019, 12, 4488.	1.6	31
284	An Efficient Digital Backend for Wideband Single-Carrier mmWave Massive MIMO. , 2019, , .		2
285	Mixture of Deep Neural Networks for Instancewise Feature Selection. , 2019, , .		3
286	Building Extraction of Multi-source Data Based on Deep Learning. , 2019, , .		2
287	Rethinking Sampling in Parallel MRI: A Data-Driven Approach. , 2019, , .		9
288	Rebellion and Obedience: The Effects of Intention Prediction in Cooperative Handheld Robots. , 2019, , .		6
289	Analysis of ship rudder roll resistance based on rudder speed limit. , 2019, , .		0
290	Special Session on Technology Design on Human Factors and Real World. , 2019, , .		0
291	The 2018 Hanabi competition. , 2019, , .		7
292	Image Detail Enhancement via Constant-Time Unsharp Masking. , 2019, , .		6
293	Link Budget Validation for Backscatter-Radio System in Sub-1GHz. , 2019, , .		0
294	Fabrication and electrical characterization of carbon nanotube based enzyme field effect transistor for cholesterol detection. , 2019, , .		2
295	A Statistical Method for Prediction of Liver Disease based on the Brownian Motion Model. , 2019, , .		0
296	Computational Thinking & Practical Thinking Inspired Java Web Curriculum Reform Method. , 2019, , .		3
297	Power Market Equilibrium Analysis based on Gradient Optimization Method. , 2019, , .		1
298	Drawing the Line - Where Does Troubleshooting End and "Working on" Begin?. , 2019, , .		0
299	Optimum Energy Efficiency and Area Spectral Efficiency Tradeoff in User-Centric Ultra-Dense Networks. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
300	Decode-and-Forward Relaying Using a Backscatter Device: Power Allocation and BER Analysis. , 2019, , .		4
301	Distributed Reprogramming on the Edge: A New Collaborative Code Dissemination Strategy for IoT. Electronics (Switzerland), 2019, 8, 267.	1.8	5
302	Scoring Music for Montage Movies. , 2019, , .		1
303	Acoustic Impedance Matching of PMN-PT/epoxy 1-3 Composites for Underwater Transducers with Usable Bandwidth Restricted by Electrical Power Factor. , 2019, , .		5
304	Hypergraph-Based SCMA Codebook Allocation in User-Centric Ultra-Dense Networks with Machine Learning. , 2019, , .		2
305	A Data Collection Technology of Virtual Reality Simulation System Based on Load Balancing. , 2019, , .		0
306	A Multi-Node Energy Prediction Approach Combined with Optimum Prediction Interval for RF Powered WSNs. Sensors, 2019, 19, 5551.	2.1	5
307	Recommendation Based on Learners' Interests in NetLearn System. , 2019, , .		0
308	Generating fire objects and few-shot learning optimization method for fire situation detection model. , 2019, , .		0
309	Applied Study of Energy Saving, Voltage Drop Reducing Technically Using Reactive Power Compensation and Cable Resizing in Gaza Electrical Grid and its Program Simulation Quality Improvement. , 2019, , .		0
310	SMART-Navigation over Pilot LTE-Maritime: Deployment and Coexistence with PS-LTE. IEEE Communications Magazine, 2019, 57, 126-131.	4.9	8
311	Foundations and Evolution of Modern Computing Paradigms: Cloud, IoT, Edge, and Fog. IEEE Access, 2019, 7, 150936-150948.	2.6	225
312	Interference Aided Energy Harvesting Employing Power Splitting Protocol under the Best Relay Selection Scheme. , 2019, , .		2
313	Analysis and Optimal Design of Radio-Frequency Interference Adaptive Cancellation System With Delay Mismatch. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 2015-2023.	1.4	10
314	A Queueing Approach to the Latency of Decoupled UL/DL With Flexible TDD and Asymmetric Services. IEEE Wireless Communications Letters, 2019, 8, 1704-1708.	3.2	5
315	Optimal Power Allocation with a Cooperative Relay in Multi-point WBAN. , 2019, , .		1
316	TinyBird. , 2019, , .		3
317	Internet of Things is a revolutionary approach for future technology enhancement: a review. Journal of Big Data, 2019, 6, .	6.9	479

#	ARTICLE	IF	CITATIONS
318	Analysis of Common-Mode Isolation on Transformer Based Balun. , 2019, , .		0
319	Beyond IoT: Adaptive Approaches to Collaborative Smart Environments. Energy Systems in Electrical Engineering, 2019, , 499-529.	0.5	0
320	The Internet of Things as Driver for Digital Business Model Innovation. , 2019, , 27-55.		10
321	Offloading Wireless Energy Harvesting for IoT Devices on Unlicensed Bands. IEEE Internet of Things Journal, 2019, 6, 3663-3675.	5.5	14
322	Optimal Time Scheduling Scheme for Wireless Powered Ambient Backscatter Communications in IoT Networks. IEEE Internet of Things Journal, 2019, 6, 2264-2272.	5.5	33
323	Deep PDS-Learning for Privacy-Aware Offloading in MEC-Enabled IoT. IEEE Internet of Things Journal, 2019, 6, 4547-4555.	5.5	61
324	A low power high speed MTJ based non-volatile SRAM cell for energy harvesting based IoT applications. The Integration VLSI Journal, 2019, 65, 43-50.	1.3	3
325	Caching in Energy Harvesting Aided Internet of Things: A Game-Theoretic Approach. IEEE Internet of Things Journal, 2019, 6, 3194-3201.	5.5	62
326	SWIPT-Enabled Relaying in IoT Networks Operating With Finite Blocklength Codes. IEEE Journal on Selected Areas in Communications, 2019, 37, 74-88.	9.7	90
327	Energy Efficient Resource Allocation in EH-Enabled CR Networks for IoT. IEEE Internet of Things Journal, 2019, 6, 3186-3193.	5.5	42
328	Time-domain ICIC and optimized designs for 5G and beyond: a survey. Science China Information Sciences, 2019, 62, 1.	2.7	14
329	Classification Framework for Free Space Optical Communication Links and Systems. IEEE Communications Surveys and Tutorials, 2019, 21, 1346-1382.	24.8	86
330	Self-sustainable wind speed sensor system with omni-directional wind based triboelectric generator. Nano Energy, 2019, 55, 115-122.	8.2	35
331	Wireless Powered Communication Networks. , 2019, , .		0
332	Link Scheduling in Wireless Networks With RF Energy Harvesting Nodes. IEEE Transactions on Green Communications and Networking, 2019, 3, 302-316.	3.5	3
333	Digital Business Models. , 2019, , .		20
334	Reinforcement Learning-Based Multiaccess Control and Battery Prediction With Energy Harvesting in IoT Systems. IEEE Internet of Things Journal, 2019, 6, 2009-2020.	5.5	104
335	Energy Management in RFID-Sensor Networks: Taxonomy and Challenges. IEEE Internet of Things Journal, 2019, 6, 250-266.	5.5	30

#	ARTICLE	IF	CITATIONS
336	SEES: a scalable and energy-efficient scheme for green IoT-based heterogeneous wireless nodes. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 1571-1596.	3.3	36
337	Microsystem based Energy Harvesting (EH-MEMS): Powering pervasivity of the Internet of Things (IoT) – A review with focus on mechanical vibrations. <i>Journal of King Saud University - Science</i> , 2019, 31, 66-74.	1.6	62
338	QoE-oriented partially overlapping channel access in wireless networks: a game-theoretic learning approach. <i>Wireless Networks</i> , 2020, 26, 983-993.	2.0	0
339	Spectrum harvesting for heterogeneous wireless networks integration. <i>Wireless Networks</i> , 2020, 26, 431-447.	2.0	1
340	Secrecy Performance in the Internet of Things: Optimal Energy Harvesting Time Under Constraints of Sensors and Eavesdroppers. <i>Mobile Networks and Applications</i> , 2020, 25, 193-210.	2.2	3
341	First 20 Years of Green Radios. <i>IEEE Transactions on Green Communications and Networking</i> , 2020, 4, 1-15.	3.5	29
342	Transceiver Design for AF MIMO Relay Systems With a Power Splitting Based Energy Harvesting Relay Node. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 2376-2388.	3.9	10
344	A comprehensive study of non-linear air damping and “pull-in” effects on the electrostatic energy harvesters. <i>Energy Conversion and Management</i> , 2020, 203, 112264.	4.4	102
345	Efficient power distribution model for IoT nodes driven by energy harvested from low power ambient RF signal. <i>Microelectronics Journal</i> , 2020, 95, 104665.	1.1	9
346	Energy-Efficiency Optimization for IoT-Distributed Antenna Systems With SWIPT Over Composite Fading Channels. <i>IEEE Internet of Things Journal</i> , 2020, 7, 197-207.	5.5	20
347	Sensing, Computing, and Communications for Energy Harvesting IoTs: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2020, 22, 1222-1250.	24.8	184
348	Fair Energy Division Scheme to Permanentize the Network Operation for Wireless Rechargeable Sensor Networks. <i>IEEE Access</i> , 2020, 8, 178063-178072.	2.6	10
349	Artificial noise aided scheme to secure UAV-assisted Internet of Things with wireless power transfer. <i>Computer Communications</i> , 2020, 164, 1-12.	3.1	9
350	Interference aided cooperative SWIPT for cellular IoT networks towards 5G and beyond. <i>Physical Communication</i> , 2020, 43, 101223.	1.2	4
351	Impact of wideband interference coupling path dispersion on performance of radio-frequency interference adaptive cancellation system. <i>IET Microwaves, Antennas and Propagation</i> , 2020, 14, 1337-1346.	0.7	1
352	Challenges in Resource-Constrained IoT Devices: Energy and Communication as Critical Success Factors for Future IoT Deployment. <i>Sensors</i> , 2020, 20, 6420.	2.1	41
353	Joint Resource Allocation for SWIPT-Based Two-Way Relay Networks. <i>Energies</i> , 2020, 13, 6024.	1.6	3
354	The Wireless Solution to Realize Green IoT: Cellular Networks with Energy Efficient and Energy Harvesting Schemes. <i>Energies</i> , 2020, 13, 5875.	1.6	9

#	ARTICLE	IF	CITATIONS
355	A tractable stochastic geometry model of coverage and an approach to energy efficiency estimation in LPWAN networks. International Journal of Sensor Networks, 2020, 33, 211.	0.2	0
356	A routing algorithm based on simulated annealing algorithm for maximising wireless sensor networks lifetime with a sink node. International Journal of Bio-Inspired Computation, 2020, 15, 264.	0.6	6
357	Dual-output quasi-Yagi antenna for out-of-band RF energy harvesting. IET Microwaves, Antennas and Propagation, 2020, 14, 1053-1060.	0.7	4
358	Optimal Resource Allocation for Wireless Powered Sensors: A Perspective From Age of Information. IEEE Communications Letters, 2020, 24, 2559-2563.	2.5	12
359	UAV for Wireless Power Transfer in IoT Networks: A GMDP approach. , 2020, , .		5
360	An Energy-Efficient Framework for Internet of Things Underlying Heterogeneous Small Cell Networks. IEEE Transactions on Mobile Computing, 2022, 21, 31-43.	3.9	117
361	Power Minimization for Secure Multi-User MISO NOMA System With Energy Harvesting. IEEE Transactions on Vehicular Technology, 2020, 69, 10046-10058.	3.9	10
362	From serendipity to sustainable green IoT: Technical, industrial and political perspective. Computer Networks, 2020, 182, 107469.	3.2	23
363	Radio Frequency Power Transmission for Self-Sustaining Miniaturized IoT Devices: Survey and Experimental Evaluation. , 2020, , .		3
364	Beamforming and Power Allocation in Dynamic TDD Based H2H/M2M Networks with Energy Harvesting. , 2020, , .		0
365	Stability Analysis of Wireless Powered Communication Networks. , 2020, , .		0
366	Analysis of QoS for Conveying Authorisation Based on Internet of Things (IoT) in Wireless Sensor Networks (WSN). , 2020, , .		5
367	Transceiver Design for SWIPT MIMO Relay Systems With Hybridized Power-Time Splitting-Based Relaying Protocol. IEEE Access, 2020, 8, 190922-190933.	2.6	7
368	A Prospective Look: Key Enabling Technologies, Applications and Open Research Topics in 6G Networks. IEEE Access, 2020, 8, 174792-174820.	2.6	192
369	A Passive STAR Microwave Circuit for 1-3 GHz Self-Interference Cancellation. , 2020, , .		4
370	IoT Battery Lifetime Enhancement Using Relays: A Large-Scale Analysis. , 2020, , .		3
371	Action Evaluation Hardware Accelerator for Next-Generation Real-Time Reinforcement Learning in Emerging IoT Systems. , 2020, , .		2
372	An Anti-Collision Scheme for RFID for Patient Tracking Using Linear Interpolation Estimation. Journal of Medical Systems, 2020, 44, 181.	2.2	1

#	ARTICLE	IF	CITATIONS
373	Dynamic Scheduling for Stochastic Edge-Cloud Computing Environments Using A3C Learning and Residual Recurrent Neural Networks. IEEE Transactions on Mobile Computing, 2022, 21, 940-954.	3.9	103
374	Energy Balance of a Continuous Structural Health Monitoring System based on Energy Harvesting. IOP Conference Series: Materials Science and Engineering, 2020, 949, 012013.	0.3	1
375	Joint Multioperator Virtual Network Sharing and Caching in Energy Harvesting-Aided Environmental Internet of Things. IEEE Internet of Things Journal, 2020, 7, 7689-7701.	5.5	3
376	Throughput Maximization for Peer-Assisted Wireless Powered IoT NOMA Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5278-5291.	6.1	12
377	Smart Railway Operation Aid System for Facilities With Low-Safety Requirements. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 253-267.	2.6	8
378	Cyber Threat Intelligence for the Internet of Things. , 2020, , .		7
379	Developing House of Information Quality framework for IoT systems. International Journal of Systems Assurance Engineering and Management, 2020, 11, 1294-1313.	1.5	12
380	Energy efficiency maximization in a wireless powered IoT sensor network for water quality monitoring. Computer Networks, 2020, 176, 107237.	3.2	21
381	Artificial Intelligence Trends Based on the Patents Granted by the United States Patent and Trademark Office. IEEE Access, 2020, 8, 81633-81643.	2.6	26
382	Dynamic Computation Offloading With Energy Harvesting Devices: A Hybrid-Decision-Based Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2020, 7, 9303-9317.	5.5	52
383	Energy Internet. , 2020, , .		2
384	A Neural Network Assistance AMPPT Solar Energy Harvesting System With 89.39% Efficiency and 0.01â€“0.5% Tracking Errors. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2960-2971.	3.5	11
385	Practical Issues of RF Energy Harvest and Data Transmission in Renewable Radio Energy Powered IoT. IEEE Transactions on Sustainable Computing, 2021, 6, 667-678.	2.2	12
386	A Survey of Multi-Access Edge Computing in 5G and Beyond: Fundamentals, Technology Integration, and State-of-the-Art. IEEE Access, 2020, 8, 116974-117017.	2.6	493
388	The Effects of Soft Errors and Mitigation Strategies for Virtualization Servers. IEEE Transactions on Cloud Computing, 2022, 10, 1065-1081.	3.1	7
389	Towards More Possibilities: Motion Planning and Control for Hybrid Locomotion of Wheeled-Legged Robots. IEEE Robotics and Automation Letters, 2020, 5, 3723-3730.	3.3	20
390	Residue Method Evaluation for the Location of PSS with Sliding Mode Control and Fuzzy for Power Electromechanical Oscillation Damping Control. IEEE Latin America Transactions, 2020, 18, 24-31.	1.2	9
391	Event Delivery using Prediction for Faster Parallel SystemC Simulation. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
393	Big Data Analytics for Cyber-Physical Systems. , 2020, , .		5
394	Renewable energy harvesting schemes in wireless sensor networks: A Survey. Information Fusion, 2020, 63, 223-247.	11.7	122
395	An Overview of Current IP Network Emulators for the Validation of Railways Wireless Communications. IEEE Access, 2020, 8, 109266-109274.	2.6	1
396	Energy-Efficient Adaptive Modulation and Data Schedule for Delay-Sensitive Wireless Communications. IEEE Access, 2020, 8, 38123-38135.	2.6	1
397	Comparative study of single-phase phase-locked loops for grid-connected inverters under non-ideal grid conditions. CSEE Journal of Power and Energy Systems, 0, , .	1.7	22
398	The Future of Low-End Motes in the Internet of Things: A Prospective Paper. Electronics (Switzerland), 2020, 9, 111.	1.8	13
399	Efficiency-based approach to quantifying "tuneability" performance in frequency-agile narrowband antennas. IET Microwaves, Antennas and Propagation, 2020, 14, 120-131.	0.7	0
400	ICTE in Transportation and Logistics 2019. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , .	0.3	1
401	On Max-Min Throughput in Backscatter-Assisted Wirelessly Powered IoT. IEEE Internet of Things Journal, 2020, 7, 137-147.	5.5	25
402	Aperture-Level Simultaneous Transmit and Receive With Digital Phased Arrays. IEEE Transactions on Signal Processing, 2020, 68, 1243-1258.	3.2	27
403	Modeling and Analysis of Energy Harvesting and Smart Grid-Powered Wireless Communication Networks: A Contemporary Survey. IEEE Transactions on Green Communications and Networking, 2020, 4, 461-496.	3.5	83
404	Resource Allocation Strategy of SWIPT Relay Under General Interference. Wireless Personal Communications, 2020, 112, 1719-1733.	1.8	1
405	Water Irrigation and Flood Prevention using IOT. , 2020, , .		10
406	A survey " Energy harvesting sources and techniques for internet of things devices. Materials Today: Proceedings, 2020, 30, 52-56.	0.9	23
407	A decision-making analysis in UAV-enabled wireless power transfer for IoT networks. Simulation Modelling Practice and Theory, 2020, 103, 102102.	2.2	11
408	Density-aware mobile networks: Opportunities and challenges. Computer Networks, 2020, 175, 107271.	3.2	8
409	A Polarization-Independent Frequency Selective Surface Based Switchable Absorber / Resorber. , 2020, , .		2
410	Fine-Grained Frequency Reuse in Centralized Small Cell Networks. IEEE Transactions on Mobile Computing, 2021, 20, 2367-2378.	3.9	2

#	ARTICLE	IF	CITATIONS
411	Real-Time Schedulability Analysis and Enhancement of Transiently Powered Processors With NVMs. IEEE Transactions on Computers, 2021, 70, 372-383.	2.4	5
412	Design of an MTJ/CMOS-Based Asynchronous System for Ultra-Low Power Energy Autonomous Applications. Journal of Circuits, Systems and Computers, 2021, 30, 2150058.	1.0	0
413	Dual-Band Store-and-Use System for RF Energy Harvesting With Off-the-Shelf DC/DC Converters. IEEE Internet of Things Journal, 2021, 8, 3678-3688.	5.5	4
414	Robust Beamforming Designs in Secure MIMO SWIPT IoT Networks With a Nonlinear Channel Model. IEEE Internet of Things Journal, 2021, 8, 1702-1715.	5.5	36
415	Secrecy Outage Minimization for Wireless-Powered Relay Networks With Destination-Assisted Cooperative Jamming. IEEE Internet of Things Journal, 2021, 8, 1467-1476.	5.5	9
416	Machine Learning Algorithms for Industrial Applications. Studies in Computational Intelligence, 2021, , .	0.7	15
417	Energy optimised IoT assisted multiple fuzzy aggravated energy scheduling approach for smart scheduling systems. Enterprise Information Systems, 2021, 15, 951-965.	3.3	8
418	Speck-R: An ultra light-weight cryptographic scheme for Internet of Things. Multimedia Tools and Applications, 2021, 80, 17067-17102.	2.6	8
419	Rate Maximization of Wireless-Powered Cognitive Massive MIMO Systems. IEEE Internet of Things Journal, 2021, 8, 5632-5644.	5.5	10
420	Joint Flight Cruise Control and Data Collection in UAV-Aided Internet of Things: An Onboard Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2021, 8, 9787-9799.	5.5	39
421	Operation Scheme of SWIPT Relay System Based on Interference Energy Harvesting. Arabian Journal for Science and Engineering, 2021, 46, 1127-1135.	1.7	0
422	A framework for spectrum harvesting in heterogeneous wireless networks integration. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 281-290.	2.7	2
423	Network Planning in Deep Fading Area is a Research Challenge. Wireless Personal Communications, 2021, 117, 2273-2284.	1.8	2
424	Survey on Ultra-Dense Networks (UDNs) and Applied Stochastic Geometry. Wireless Personal Communications, 2021, 119, 2345-2404.	1.8	2
425	Assessment of 5G as an ambient signal for outdoor backscattering communications. Wireless Networks, 2021, 27, 4083-4094.	2.0	5
426	Cross-tier cooperation load-adapting interference management in ultra-dense networks. IET Communications, 2019, 13, 2069-2077.	1.5	3
427	Evolution Toward 5G Mobile Networks – A Survey on Enabling Technologies. Engineering Journal, 2016, 20, 87-119.	0.5	47
428	The Requirements of Internet of Thing Platform for Railway Environments. The Journal of Korean Institute of Communications and Information Sciences, 2016, 41, 833-842.	0.0	1

#	ARTICLE	IF	CITATIONS
429	Pricing Methodology and Its Applications in Cognitive Radio and Multi-Tier Heterogeneous Cellular Networks. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2017, , 287-317.	0.3	0
430	An Iterative Power Allocation Algorithm Aimed at Maximization of System Capacity in Two-Tier Cellular Network. <i>DEStech Transactions on Computer Science and Engineering</i> , 2017, , .	0.1	0
431	On the Feasibility of an Adaptive Movable Access Point System in a Static Indoor WLAN Environment. <i>IEICE Transactions on Communications</i> , 2018, E101.B, 1693-1700.	0.4	2
432	Heterogeneous modelling framework for 5G urban macro ultra dense networks. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2019, 15, 962.	0.7	1
433	A Fast Terminal Matching Method for Interference Coordination Based on Wavelet Transform and Graph Theory in Ultra-Dense Multi-Cell Scenarios. <i>IEEE Access</i> , 2021, , 1-1.	2.6	1
434	Decades of Internet of Things Towards Twenty-first Century: A Research-Based Introspective. <i>Wireless Personal Communications</i> , 2022, 123, 3661-3697.	1.8	18
436	Fog-RAN Enabled Multi-Connectivity and Multi-Cell Scheduling Framework for Ultra-Reliable Low Latency Communication. <i>IEEE Access</i> , 2022, 10, 7059-7072.	2.6	6
437	Evaluation of Pulmonary Edema Using Ultrasound Imaging in Patients With COVID-19 Pneumonia Based on a Non-local Channel Attention ResNet. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 945-953.	0.7	10
438	Analog-Domain Suppression of Strong Interference Using Hybrid Antenna Array. <i>Sensors</i> , 2022, 22, 2417.	2.1	3
439	Cognitive radio based spectrum sharing models for multicasting in 5G cellular networks: A survey. <i>Computer Networks</i> , 2022, 208, 108870.	3.2	16
440	An improved Whale Optimization Approach for Effective Data Transmission for IoT Communication. <i>European Journal of Education and Pedagogy</i> , 2021, 5, 49-57.	0.2	0
441	Exploring the alternatives to the conventional interference mitigation schemes for 5G wireless cellular communication network. <i>International Journal of Communication Systems</i> , 2022, 35, .	1.6	2
442	Interference management in backhaul constrained 5G HetNets through coordinated multipoint. <i>Computers and Electrical Engineering</i> , 2022, 100, 107982.	3.0	7
443	BLOWN: A Blockchain Protocol for Single-Hop Wireless Networks Under Adversarial SINR. <i>IEEE Transactions on Mobile Computing</i> , 2023, 22, 4530-4547.	3.9	15
444	Early severity prediction of BPD for premature infants from chest X-ray images using deep learning: A study at the 28th day of oxygen inhalation. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106869.	2.6	7
445	Interference Challenges and Management in B5G Network Design: A Comprehensive Review. <i>Electronics (Switzerland)</i> , 2022, 11, 2842.	1.8	19
447	Compact HMSIW based Centre-Fed Series Antenna Array for ISM Band Energy Harvesting. , 2022, 1, 1-9.		0
448	On the Robust design for IoT-based Wireless Information and Power Transmission network. <i>Journal of Science and Technology Issue on Information and Communications Technology</i> , 0, , 19-24.	0.1	0

#	ARTICLE	IF	CITATIONS
449	Hierarchical Mean Field/Stackelberg Game Power Control for D2D Cooperative Relaying Networks. , 2022, , .		1
450	Introductory Chapter: An Overview to the Internet of Things. , 0, , .		2
451	Future Internet of Things: Connecting the Unconnected World and Things Based on 5/6G Networks and Embedded Technologies. , 0, , .		0
452	Integrated machine learning techniques for preserving privacy in Internet of Things (IoT) systems. , 2023, , 45-75.		3
453	Definitions, Difficulties and Current Research Directions for the Internet of Things. , 2022, , .		0
457	Link Adaptation Algorithm for Optimal Modulation and Coding Selection in 5G and Beyond Systems. , 2023, , .		0