

AlÄ° Ä°mran

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7451153/publications.pdf>

Version: 2024-02-01

764
papers

20,270
citations

20817

60
h-index

22166

113
g-index

807
all docs

807
docs citations

807
times ranked

15313
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropy Field Decomposition Based Outage Detection for Ultra-Dense Networks. IEEE Access, 2024, , 1-1.	4.2	4
2	Interpretable AI-Based Large-Scale 3D Pathloss Prediction Model for Enabling Emerging Self-Driving Networks. IEEE Transactions on Mobile Computing, 2023, 22, 3967-3984.	5.8	4
3	Edge computing in smart health care systems: Review, challenges, and research directions. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3710.	3.9	87
4	How Much Communication Resource is Needed to Run a Wireless Blockchain Network?. IEEE Network, 2022, 36, 128-135.	6.9	31
5	Blockchain-Empowered Federated Learning Approach for an Intelligent and Reliable D2D Caching Scheme. IEEE Internet of Things Journal, 2022, 9, 7879-7890.	8.7	12
6	Battery Recharging Time Models for Reconfigurable Intelligent Surfaces-Assisted Wireless Power Transfer Systems. IEEE Transactions on Green Communications and Networking, 2022, 6, 1173-1185.	5.5	8
7	Machine learning in vehicular networking: An overview. Digital Communications and Networks, 2022, 8, 18-24.	5.0	22
8	Joint Communication and Control for mmWave/THz Beam Alignment in V2X Networks. IEEE Internet of Things Journal, 2022, 9, 11203-11213.	8.7	13
9	Service Level Agreements for 5G-Enabled Healthcare Systems: Challenges and Considerations. IEEE Network, 2022, 36, 181-188.	6.9	3
10	LiFi through Reconfigurable Intelligent Surfaces: A New Frontier for 6G?. IEEE Vehicular Technology Magazine, 2022, 17, 37-46.	3.4	45
11	Machine learning enabled identification and real-time prediction of living plants's stress using terahertz waves. Defence Technology, 2022, 18, 1330-1339.	4.2	7
12	Joint Precoding and Pre-Equalization for Faster-Than-Nyquist Transmission Over Multipath Fading Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 3948-3963.	6.3	4
13	Performance of Reconfigurable Intelligent Surfaces in the Presence of Generalized Gaussian Noise. IEEE Communications Letters, 2022, 26, 773-777.	4.1	3
14	Multiple Participants's Discrete Activity Recognition in a Well-Controlled Environment Using Universal Software Radio Peripheral Wireless Sensing. Sensors, 2022, 22, 809.	3.8	10
15	AMC Integrated Multilayer Wearable Antenna for Multiband WBAN Applications. Computers, Materials and Continua, 2022, 71, 3227-3241.	1.9	7
16	Machine learning empowered COVID-19 patient monitoring using non-contact sensing: An extensive review. Journal of Pharmaceutical Analysis, 2022, 12, 193-204.	5.3	30
17	Two-Dimensional Materials for Future Terahertz Wireless Communications. IEEE Open Journal of Antennas and Propagation, 2022, 3, 217-228.	3.7	13
18	Challenges, Applications, and Future of Wireless Sensors in Internet of Things: A Review. IEEE Sensors Journal, 2022, 22, 5482-5494.	4.7	105

#	ARTICLE	IF	CITATIONS
19	Novel Privacy Preserving Non-Invasive Sensing-Based Diagnoses of Pneumonia Disease Leveraging Deep Network Model. <i>Sensors</i> , 2022, 22, 461.	3.8	10
20	Detecting Alzheimerâ€™s Disease Using Machine Learning Methods. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022, , 89-100.	0.3	8
21	Comparing the Performance of Different Classifiers for Posture Detection. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022, , 210-218.	0.3	0
22	Indoor Activity Position and Direction Detection Using Software Defined Radios. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022, , 15-27.	0.3	0
23	Non-Contact Smart Sensing of Physical Activities during Quarantine Period Using SDR Technology. <i>Sensors</i> , 2022, 22, 1348.	3.8	7
24	Communication Requirements in 5G-Enabled Healthcare Applications: Review and Considerations. <i>Healthcare (Switzerland)</i> , 2022, 10, 293.	2.0	21
25	A lightweight cell switching and traffic offloading scheme for energy optimization in ultra-dense heterogeneous networks. <i>Physical Communication</i> , 2022, 52, 101643.	2.1	4
26	Solar Irradiance Forecasting Using a Data-Driven Algorithm and Contextual Optimisation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 134.	2.5	14
27	IoT Based Fall Detection System for Elderly Healthcare. <i>Studies in Computational Intelligence</i> , 2022, , 209-232.	0.9	6
28	A Survey on LPWAN-5G Integration: Main Challenges and Potential Solutions. <i>IEEE Access</i> , 2022, 10, 32132-32149.	4.2	19
29	A Data-Driven Self-Optimization Solution for Inter-Frequency Mobility Parameters in Emerging Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2022, 8, 570-583.	7.9	7
30	A Data-Driven Framework for Inter-Frequency Handover Failure Prediction and Mitigation. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 6158-6172.	6.3	6
31	Non-Invasive Localization Using Software-Defined Radios. <i>IEEE Sensors Journal</i> , 2022, 22, 9018-9026.	4.7	8
32	Investigating Handover Behavior with 5G and Beyond TurboRAN Testbed. , 2022, , .		2
33	Millimeter-Wave Smart Antenna Solutions for URLLC in Industry 4.0 and Beyond. <i>Sensors</i> , 2022, 22, 2688.	3.8	17
34	Design and Evaluation of a Button Sensor Antenna for On-Body Monitoring Activity in Healthcare Applications. <i>Micromachines</i> , 2022, 13, 475.	2.9	4
35	Terahertz Metastructures for Noninvasive Biomedical Sensing and Characterization in Future Health Care [Bioelectromagnetics]. <i>IEEE Antennas and Propagation Magazine</i> , 2022, 64, 60-70.	1.4	4
36	An Intelligent Cluster-Based Routing Scheme in 5G Flying Ad Hoc Networks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3665.	2.5	14

#	ARTICLE	IF	CITATIONS
37	Federated learning empowered mobility-aware proactive content offloading framework for fog radio access networks. Future Generation Computer Systems, 2022, 133, 307-319.	7.5	4
38	Design Considerations and Deployment Challenges for TurboRAN 5G and Beyond Testbed. IEEE Access, 2022, 10, 39810-39824.	4.2	1
39	Adaptive Diagonal Loading Technique to Improve Direction of Arrival Estimation Accuracy for Linear Antenna Array Sensors. IEEE Sensors Journal, 2022, 22, 10986-10994.	4.7	4
40	A Covariance Matrix Reconstruction Approach for Single Snapshot Direction of Arrival Estimation. Sensors, 2022, 22, 3096.	3.8	5
41	Intelligent Handover Algorithm for Vehicle-to-Network Communications With Double-Deep Q-Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 7848-7862.	6.3	9
42	Revenue Maximization Through Cell Switching and Spectrum Leasing in 5G HetNets. IEEE Access, 2022, 10, 48301-48317.	4.2	2
43	Machine learning-assisted direction-of-arrival accuracy enhancement technique using oversized lens-loaded cavity. IET Microwaves, Antennas and Propagation, 2022, 16, 305-315.	1.4	2
44	Current Sheet Antenna Array and 5G: Challenges, Recent Trends, Developments, and Future Directions. Sensors, 2022, 22, 3329.	3.8	4
45	Towards Positioning Error Impact Characterization and Minimization in User-Centric RAN. , 2022, , .		0
46	Assessing Deep Generative Models on Time Series Network Data. IEEE Access, 2022, 10, 64601-64617.	4.2	4
47	Machine learning-assisted lens-loaded cavity response optimization for improved direction-of-arrival estimation. Scientific Reports, 2022, 12, .	3.3	3
48	Ergodic Capacity of MIMO Faster-Than-Nyquist Transmission Over Triply-Selective Rayleigh Fading Channels. IEEE Transactions on Communications, 2022, 70, 5046-5058.	7.8	2
49	A Hybrid Deep Learning-Based (HYDRA) Framework for Multifault Diagnosis Using Sparse MDT Reports. IEEE Access, 2022, 10, 67140-67151.	4.2	3
50	Indoor localization using software defined radio: A non-invasive approach. , 2022, , .		0
51	The Role and Applications of Machine Learning in Future Self-Organizing Cellular Networks. , 2022, , 1494-1516.		0
52	Mobility Management in the Applications of 5G and Beyond: A Handover Skipping Topology Analysis. , 2022, , .		3
53	High Gain Compact UWB Antenna for Ground Penetrating Radar Detection and Soil Inspection. Sensors, 2022, 22, 5183.	3.8	6
54	Antenna Selection Based on Matching Theory for Uplink Cell-Free Millimetre Wave Massive Multiple Input Multiple Output Systems. Telecom, 2022, 3, 448-466.	2.6	1

#	ARTICLE	IF	CITATIONS
55	Intelligent wireless walls for contactless in-home monitoring. Light: Science and Applications, 2022, 11, .	16.6	23
56	Wireless on Walls: Revolutionizing the future of health care. IEEE Antennas and Propagation Magazine, 2021, 63, 87-93.	1.4	12
57	Service Provisioning Framework for RAN Slicing: User Admissibility, Slice Association and Bandwidth Allocation. IEEE Transactions on Mobile Computing, 2021, 20, 3409-3422.	5.8	40
58	A Review on the State of the Art in Atrial Fibrillation Detection Enabled by Machine Learning. IEEE Reviews in Biomedical Engineering, 2021, 14, 219-239.	18.0	55
59	Energy-Efficient LoRaWAN for Industry 4.0 Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 891-902.	11.3	62
60	Rate-Latency Optimization for NB-IoT With Adaptive Resource Unit Configuration in Uplink Transmission. IEEE Systems Journal, 2021, 15, 265-276.	4.6	18
61	A Cooperative Massive MIMO System for Future <i>In Vivo</i> Nanonetworks. IEEE Systems Journal, 2021, 15, 331-337.	4.6	14
62	A Fast Blocking Matrix Generating Algorithm for Generalized Sidelobe Canceller Beamformer in High Speed Rail Like Scenario. IEEE Sensors Journal, 2021, 21, 15775-15783.	4.7	7
63	Joint admission control, cell association, power allocation and throughput maximization in decoupled 5G heterogeneous networks. Telecommunication Systems, 2021, 76, 115-128.	2.5	15
64	Effect of core corrugation angle on static compression of self-reinforced PP sandwich panels and bending energy absorption of sandwich beams. Journal of Composite Materials, 2021, 55, 897-914.	2.4	5
65	Toward Convergence of AI and IoT for Energy-Efficient Communication in Smart Homes. IEEE Internet of Things Journal, 2021, 8, 9664-9671.	8.7	21
66	Intelligent IoT Framework for Indoor Healthcare Monitoring of Parkinsonâ€™s Disease Patient. IEEE Journal on Selected Areas in Communications, 2021, 39, 593-602.	14.0	33
67	BeepTrace: Blockchain-Enabled Privacy-Preserving Contact Tracing for COVID-19 Pandemic and Beyond. IEEE Internet of Things Journal, 2021, 8, 3915-3929.	8.7	138
68	Privacy-Preserving Wandering Behavior Sensing in Dementia Patients Using Modified Logistic and Dynamic Newton Leibnik Maps. IEEE Sensors Journal, 2021, 21, 3669-3679.	4.7	23
69	Effective age of information in real-time wireless feedback control systems. Science China Information Sciences, 2021, 64, 1.	4.3	5
70	Hybrid Metamodeling/Metaheuristic Assisted Multi-Transmitters Placement Planning. Computers, Materials and Continua, 2021, 68, 569-587.	1.9	2
71	A multiband circular polarization selective metasurface for microwave applications. Scientific Reports, 2021, 11, 1774.	3.3	15
72	Employing Industrial Quality Management Systems for Quality Assurance in Outcome-Based Engineering Education: A Review. Education Sciences, 2021, 11, 45.	2.6	6

#	ARTICLE	IF	CITATIONS
73	A Survey of Machine Learning Applications to Handover Management in 5G and Beyond. IEEE Access, 2021, 9, 45770-45802.	4.2	44
74	Simulation of Crystalline Silicon Photovoltaic Cells for Wearable Applications. IEEE Access, 2021, 9, 20868-20877.	4.2	15
75	Analysis of Area Spectral & Energy Efficiency in a CoMP-Enabled User-Centric Cloud RAN. IEEE Transactions on Green Communications and Networking, 2021, 5, 1999-2015.	5.5	10
76	Deep Learning Enabled Beam Tracking for Non-Line of Sight Millimeter Wave Communications. IEEE Open Journal of the Communications Society, 2021, 2, 1710-1720.	6.9	7
77	DRX-based energy-efficient supervised machine learning algorithm for mobile communication networks. IET Communications, 2021, 15, 1000-1013.	2.2	10
78	Non-Invasive RF Sensing for Detecting Breathing Abnormalities Using Software Defined Radios. IEEE Sensors Journal, 2021, 21, 5111-5118.	4.7	19
79	High Gain Triple-Band Metamaterial-Based Antipodal Vivaldi MIMO Antenna for 5G Communications. Micromachines, 2021, 12, 250.	2.9	10
80	Low-Complexity Symbol Detection and Interference Cancellation for OTFS System. IEEE Transactions on Communications, 2021, 69, 1524-1537.	7.8	46
81	Indoor Mobility Prediction for mmWave Communications using Markov Chain. , 2021, , .		3
82	Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. Micromachines, 2021, 12, 322.	2.9	55
83	DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. IEEE Sensors Journal, 2021, 21, 9457-9464.	4.7	51
84	Compact Elliptical UWB Antenna for Underwater Wireless Communications. Micromachines, 2021, 12, 411.	2.9	13
85	Design and Evaluation of a Flexible Dual-Band Meander Line Monopole Antenna for On- and Off-Body Healthcare Applications. Micromachines, 2021, 12, 475.	2.9	13
86	Network slicing: a next generation 5G perspective. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	30
87	An Efficient Method for Complex Antenna Design Based on a Self Adaptive Surrogate Model-Assisted Optimization Technique. IEEE Transactions on Antennas and Propagation, 2021, 69, 2302-2315.	5.1	32
88	Microwave Imaging of Breast Skin Utilizing Elliptical UWB Antenna and Reverse Problems Algorithm. Micromachines, 2021, 12, 647.	2.9	10
89	Network Slicing for Beyond 5G Systems: An Overview of the Smart Port Use Case. Electronics (Switzerland), 2021, 10, 1090.	3.1	17
90	Design of Portable Exoskeleton Forearm for Rehabilitation of Monoparesis Patients Using Tendon Flexion Sensing Mechanism for Health Care Applications. Electronics (Switzerland), 2021, 10, 1279.	3.1	6

#	ARTICLE	IF	CITATIONS
91	A Scalable Multi-Layer PBFT Consensus for Blockchain. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1146-1160.	5.6	184
92	Radio & BH Load-Aware Multi-Objective Clustering in Multi-Cell MIMO Cooperative Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 4585-4600.	6.3	2
93	Securing the Insecure: A First-Line-of-Defense for Body-Centric Nanoscale Communication Systems Operating in THz Band. Sensors, 2021, 21, 3534.	3.8	3
94	Radar Sensing for Activity Classification in Elderly People Exploiting Micro-Doppler Signatures Using Machine Learning. Sensors, 2021, 21, 3881.	3.8	30
95	Energy Optimization in Ultra-Dense Radio Access Networks via Traffic-Aware Cell Switching. IEEE Transactions on Green Communications and Networking, 2021, 5, 832-845.	5.5	14
96	Hybrid Beamforming with Fixed Phase Shifters for Uplink Cell-Free Millimetre-Wave Massive MIMO Systems. , 2021, , .		7
97	6G Opportunities Arising from Internet of Things Use Cases: A Review Paper. Future Internet, 2021, 13, 159.	3.8	33
98	Public Perception of the Fifth Generation of Cellular Networks (5G) on Social Media. Frontiers in Big Data, 2021, 4, 640868.	2.9	3
99	RF Sensing Based Breathing Patterns Detection Leveraging USRP Devices. Sensors, 2021, 21, 3855.	3.8	18
100	Low-Dimensional Subspace Estimation of Continuous-Doppler-Spread Channel in OTFS Systems. IEEE Transactions on Communications, 2021, 69, 4717-4731.	7.8	27
101	Uniform Magnetic Field Characteristics Based UHF RFID Tag for Internet of Things Applications. Electronics (Switzerland), 2021, 10, 1603.	3.1	8
102	Looking Back: Reviewing the Challenges of Policy Development During the COVID-19 Pandemic for a TNE Partnership in Higher Education. Frontiers in Education, 2021, 6, .	2.1	1
103	F-Classify: Fuzzy Rule Based Classification Method for Privacy Preservation of Multiple Sensitive Attributes. Sensors, 2021, 21, 4933.	3.8	7
104	Autonomous D2D Transmission Scheme in URLLC for Real-Time Wireless Control Systems. IEEE Transactions on Communications, 2021, 69, 5546-5558.	7.8	16
105	Feasibility study of 28ÂGHz and 38ÂGHz millimeter-wave technologies for fog radio access networks using multi-slope path loss model. Physical Communication, 2021, 47, 101401.	2.1	11
106	Is blockchain for Internet of Medical Things a panacea for COVID-19 pandemic?. Pervasive and Mobile Computing, 2021, 75, 101434.	3.3	32
107	Editorial for the Special Issue on Security and Sensing Devices for Healthcare Technologies. Micromachines, 2021, 12, 1028.	2.9	0
108	Suitability of NB-IoT for Indoor Industrial Environment: A Survey and Insights. Sensors, 2021, 21, 5284.	3.8	21

#	ARTICLE	IF	CITATIONS
109	Optimal Multi-user Transmission based on a Single Intelligent Reflecting Surface. , 2021, , .		3
110	Contactless Small-Scale Movement Monitoring System Using Software Defined Radio for Early Diagnosis of COVID-19. IEEE Sensors Journal, 2021, 21, 17180-17188.	4.7	33
111	Software-defined networks for resource allocation in cloud computing: A survey. Computer Networks, 2021, 195, 108151.	5.1	34
112	On the effective capacity of IRS-assisted wireless communication. Physical Communication, 2021, 47, 101339.	2.1	7
113	Designing a Wind Energy Harvester for Connected Vehicles in Green Cities. Energies, 2021, 14, 5408.	3.1	24
114	5G-enabled contactless multi-user presence and activity detection for independent assisted living. Scientific Reports, 2021, 11, 17590.	3.3	22
115	Discrete Human Activity Recognition and Fall Detection by Combining FMCW RADAR Data of Heterogeneous Environments for Independent Assistive Living. Electronics (Switzerland), 2021, 10, 2237.	3.1	32
116	Notice of Retraction: Infrared Sensing Based Non-Invasive Initial Diagnosis of Chronic Liver Disease Using Ensemble Learning. IEEE Sensors Journal, 2021, 21, 19395-19406.	4.7	18
117	Wireless Channel Modelling for Identifying Six Types of Respiratory Patterns With SDR Sensing and Deep Multilayer Perceptron. IEEE Sensors Journal, 2021, 21, 20833-20840.	4.7	20
118	A multifunctional ultrathin flexible bianisotropic metasurface with miniaturized cell size. Scientific Reports, 2021, 11, 18426.	3.3	5
119	Impact of Inter-Gateway Distance on LoRaWAN Performance. Electronics (Switzerland), 2021, 10, 2197.	3.1	5
120	Making assembly line in supply chain robust and secure using UHF RFID. Scientific Reports, 2021, 11, 18041.	3.3	23
121	Friendly-jamming schemes to secure ultra-reliable and low-latency communications in 5G and beyond communications. Computer Standards and Interfaces, 2021, 78, 103540.	5.4	10
122	Portable UWB RADAR Sensing System for Transforming Subtle Chest Movement Into Actionable Micro-Doppler Signatures to Extract Respiratory Rate Exploiting ResNet Algorithm. IEEE Sensors Journal, 2021, 21, 23518-23526.	4.7	17
123	An Ultrawideband Microfabricated Gold-Based Antenna Array for Terahertz Communication. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2156-2160.	4.0	18
124	Service Level Agreements for 5G and Beyond: Overview, Challenges and Enablers of 5G-Healthcare Systems. IEEE Access, 2021, 9, 1044-1061.	4.2	32
125	A Miniaturized Series Fed Tri-Slot Coplanar Vivaldi Antenna for RADAR Application With Reduced Ground Plane Effect. IEEE Open Journal of Antennas and Propagation, 2021, 2, 949-953.	3.7	0
126	Machine Learning Techniques for 5G and Beyond. IEEE Access, 2021, 9, 23472-23488.	4.2	111

#	ARTICLE	IF	CITATIONS
127	A numerical approach for 2-D Sutterby fluid-flow bounded at a stagnation point with an inclined magnetic field and thermal radiation impacts. <i>Thermal Science</i> , 2021, 25, 1975-1987.	1.1	43
128	New Adaptive Surrogate-Based Approach Combined Swarm Optimizer Assisted Less Tuning Cost of Dynamic Production-Inventory Control System. <i>IEEE Access</i> , 2021, 9, 144054-144066.	4.2	3
129	Security Analysis of Sharding in the Blockchain System. , 2021, , .		4
130	Energy Harvesting and Power Management for IoT Devices in the 5G Era. <i>IEEE Communications Magazine</i> , 2021, 59, 91-97.	6.1	17
131	An Implementation of a Blockchain-based Data Marketplace using Geth. , 2021, , .		4
132	Edge Intelligence in Private Mobile Networks for Next-Generation Railway Systems. <i>Frontiers in Communications and Networks</i> , 2021, 2, .	3.0	7
133	Improving Machine Learning Classification Accuracy for Breathing Abnormalities by Enhancing Dataset. <i>Sensors</i> , 2021, 21, 6750.	3.8	16
134	Link and stability-aware adaptive cooperative routing with restricted packets transmission and void-avoidance for underwater acoustic wireless sensor networks. <i>Computer Communications</i> , 2021, 181, 428-428.	5.1	1
135	A novel mathematical modeling with solution for movement of fluid through ciliary caused metachronal waves in a channel. <i>Scientific Reports</i> , 2021, 11, 20601.	3.3	11
136	Identifying the Lack of Energy-Conscious Behaviour in Clinical and Non-Clinical Settings: An NHS Case Study. <i>Electronics (Switzerland)</i> , 2021, 10, 2468.	3.1	4
137	A Bra Monitoring System Using a Miniaturized Wearable Ultra-Wideband MIMO Antenna for Breast Cancer Imaging. <i>Electronics (Switzerland)</i> , 2021, 10, 2563.	3.1	16
138	Comprehensive Survey of IoT, Machine Learning, and Blockchain for Health Care Applications: A Topical Assessment for Pandemic Preparedness, Challenges, and Solutions. <i>Electronics (Switzerland)</i> , 2021, 10, 2501.	3.1	31
139	Trends in Intelligent Communication Systems: Review of Standards, Major Research Projects, and Identification of Research Gaps. <i>Journal of Sensor and Actuator Networks</i> , 2021, 10, 60.	3.9	12
140	Optimising Electrical Power Supply Sustainability Using a Grid-Connected Hybrid Renewable Energy System—An NHS Hospital Case Study. <i>Energies</i> , 2021, 14, 7084.	3.1	7
141	Machine Learning Enabled Food Contamination Detection Using RFID and Internet of Things System. <i>Journal of Sensor and Actuator Networks</i> , 2021, 10, 63.	3.9	10
142	Wireless Infrastructure in the Transportation Market and the Challenges. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021, , 5-22.	0.4	0
143	A Zero-Touch Network Service Management Approach Using AI-Enabled CDR Analysis. <i>IEEE Access</i> , 2021, 9, 157699-157714.	4.2	7
144	Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. <i>Sustainability</i> , 2021, 13, 12506.	3.2	47

#	ARTICLE	IF	CITATIONS
145	IMPRESS: Indoor Mobility Prediction Framework for Pre-Emptive Indoor-Outdoor Handover for mmWave Networks. IEEE Open Journal of the Communications Society, 2021, 2, 2714-2724.	6.9	2
146	Study of electro-osmotic nanofluid transport for scraped surface heat exchanger with heat transfer phenomenon. Thermal Science, 2021, 25, 213-218.	1.1	2
147	5G-Enabled Education 4.0: Enabling Technologies, Challenges, and Solutions. IEEE Access, 2021, 9, 166962-166969.	4.2	17
148	Investigation of electroosmosis flow of copper nanoparticles with heat transfer due to metachronal rhythm. Thermal Science, 2021, 25, 193-198.	1.1	7
149	Age of Control Process for Real-Time Wireless Control. , 2021, , .		1
150	Aerial Base Station Assisted Cellular Communication: Performance and Trade-Off. IEEE Transactions on Network Science and Engineering, 2021, 8, 2765-2779.	6.4	5
151	A Novel Subspace-Averaging Direction of Arrival Estimation Technique. , 2021, , .		0
152	AI-Based Fall Detection Using Contactless Sensing. , 2021, , .		0
153	Low-Complexity Detection Scheme for P-Orthogonal Transmission Method. , 2021, , .		0
154	Performance Analysis of Wireless Practical Byzantine Fault Tolerance Networks Using IEEE 802.11. , 2021, , .		4
155	Folded Terahertz Antenna based on \$MoS_{2}\$ and Gold for Biomedical Imaging. , 2021, , .		0
156	Reflecting Metasurface Unit Cell Design with Multi-Bit Azimuthal Control. , 2021, , .		3
157	A Privacy-preserved D2D Caching Scheme Underpinned by Blockchain-enabled Federated Learning. , 2021, , .		1
158	AI-based Real-time Classification of Human Activity using Software Defined Radios. , 2021, , .		2
159	Wearable Metamaterial Dual-Polarized High Isolation UWB MIMO Vivaldi Antenna for 5G and Satellite Communications. Micromachines, 2021, 12, 1559.	2.9	11
160	Embracing Complexity: Agent-Based Modeling for HetNets Design and Optimization via Concurrent Reinforcement Learning Algorithms. IEEE Transactions on Network and Service Management, 2021, 18, 4042-4062.	4.9	7
161	Design and development of a multi-functional bi-anisotropic metasurface with ultra-wide out of band transmission. Scientific Reports, 2021, 11, 24244.	3.3	6
162	Diagnosis of the Hypopnea syndrome in the early stage. Neural Computing and Applications, 2020, 32, 855-866.	5.6	32

#	ARTICLE	IF	CITATIONS
163	Big data analytics for preventive medicine. <i>Neural Computing and Applications</i> , 2020, 32, 4417-4451.	5.6	175
164	Leveraging mobility and content caching for proactive load balancing in heterogeneous cellular networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020, 31, e3739.	3.9	11
165	Photovoltaic Power Harvesting Technologies in Biomedical Implantable Devices Considering the Optimal Location. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2020, 4, 148-155.	3.4	13
166	Machine Learning Driven Approach Towards the Quality Assessment of Fresh Fruits Using Non-Invasive Sensing. <i>IEEE Sensors Journal</i> , 2020, 20, 2075-2083.	4.7	57
167	Deep learning and big data technologies for IoT security. <i>Computer Communications</i> , 2020, 151, 495-517.	5.1	209
168	Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. <i>IEEE Sensors Journal</i> , 2020, 20, 4891-4900.	4.7	24
169	Artificial Intelligence-Powered Mobile Edge Computing-Based Anomaly Detection in Cellular Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 4986-4996.	11.3	33
170	A Novel Unipolar Transmission Scheme for Visible Light Communication. <i>IEEE Transactions on Communications</i> , 2020, 68, 2426-2437.	7.8	18
171	A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 2659-2670.	6.3	16
172	Dynamic Communication QoS Design for Real-Time Wireless Control Systems. <i>IEEE Sensors Journal</i> , 2020, 20, 3005-3015.	4.7	20
173	Secrecy Spectrum and Energy Efficiency Analysis in Massive MIMO-Enabled Multi-Tier Hybrid HetNets. <i>IEEE Transactions on Green Communications and Networking</i> , 2020, 4, 246-262.	5.5	12
174	Routing Schemes in FANETs: A Survey. <i>Sensors</i> , 2020, 20, 38.	3.8	60
175	Towards Continuous Subject Identification Using Wearable Devices and Deep CNNs. , 2020, , .		0
176	Recent Advances of Wearable Antennas in Materials, Fabrication Methods, Designs, and Their Applications: State-of-the-Art. <i>Micromachines</i> , 2020, 11, 888.	2.9	54
177	A Review of the State of the Art in Non-Contact Sensing for COVID-19. <i>Sensors</i> , 2020, 20, 5665.	3.8	64
178	Interference Spreading through Random Subcarrier Allocation Technique and Its Error Rate Performance in Cognitive Radio Networks. <i>Sensors</i> , 2020, 20, 5700.	3.8	3
179	A Systematic Review of Non-Contact Sensing for Developing a Platform to Contain COVID-19. <i>Micromachines</i> , 2020, 11, 912.	2.9	22
180	Energy efficiency analysis of Drone Small Cells positioning based on reinforcement learning. <i>Internet Technology Letters</i> , 2020, 3, e166.	1.9	2

#	ARTICLE	IF	CITATIONS
181	A Recursive Calibration Approach for Smart Antenna Beamforming Frontend. , 2020, , .		2
182	Energy-Efficient Power Allocation in URLLC Enabled Wireless Control for Factory Automation Applications. , 2020, , .		2
183	Energy and Performance Trade-Off Optimization in Heterogeneous Computing via Reinforcement Learning. Electronics (Switzerland), 2020, 9, 1812.	3.1	22
184	The Role of Artificial Intelligence Driven 5G Networks in COVID-19 Outbreak: Opportunities, Challenges, and Future Outlook. Frontiers in Communications and Networks, 2020, 1, .	3.0	28
185	Utilizing Loss Tolerance and Bandwidth Expansion for Energy Efficient User Association in HetNets. , 2020, , .		2
186	Mobility Management-Based Autonomous Energy-Aware Framework Using Machine Learning Approach in Dense Mobile Networks. Signals, 2020, 1, 170-187.	1.9	10
187	Load-Aware Cell Switching in Ultra-Dense Networks: An Artificial Neural Network Approach. , 2020, , .		1
188	A Component Model with Verifiable Composition for the Construction of Emergency Management Systems. Arabian Journal for Science and Engineering, 2020, 45, 10683-10692.	3.0	2
189	Link Between Sustainability and Industry 4.0: Trends, Challenges and New Perspectives. IEEE Access, 2020, 8, 140079-140096.	4.2	134
190	Design and Characterization of T/R Module for Commercial Beamforming Applications. IEEE Access, 2020, 8, 130252-130262.	4.2	8
191	A blockchain-based decentralized energy management in a P2P trading system. , 2020, , .		12
192	Self-Powered Implantable Medical Devices: Photovoltaic Energy Harvesting Review. Advanced Healthcare Materials, 2020, 9, e2000779.	7.6	107
193	Case Study of Direct Communication based Solar Power Systems in Sub-Saharan Africa for Levelled Energy Cost using Blockchain. , 2020, , .		0
194	Improved Neural Network Transparency for Cell Degradation Detection Using Explanatory Model. , 2020, , .		1
195	Multi-User Position Based on Trajectories-Aware Handover Strategy for Base Station Selection with Multi-Agent Learning. , 2020, , .		5
196	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. IEEE Access, 2020, 8, 147029-147044.	4.2	193
197	Drone Trajectory Optimization using Genetic Algorithm with Prioritized Base Stations. , 2020, , .		4
198	An Outlook on the Interplay of Artificial Intelligence and Software-Defined Metasurfaces: An Overview of Opportunities and Limitations. IEEE Vehicular Technology Magazine, 2020, 15, 62-73.	3.4	15

#	ARTICLE	IF	CITATIONS
199	Efficient Handover Mechanism for Radio Access Network Slicing by Exploiting Distributed Learning. IEEE Transactions on Network and Service Management, 2020, 17, 2620-2633.	4.9	44
200	Mobility Management in Emerging Ultra-Dense Cellular Networks: A Survey, Outlook, and Future Research Directions. IEEE Access, 2020, 8, 183505-183533.	4.2	30
201	Sensor Aided Beamforming in Vehicular Environment. , 2020, , .		0
202	Preventing Identity Attacks in RFID Backscatter Communication Systems: A Physical-layer Approach. , 2020, , .		4
203	5G Cellular Networks: Coverage Analysis in the Presence of Inter-Cell Interference and Intentional Jammers. Electronics (Switzerland), 2020, 9, 1538.	3.1	8
204	IoT enabled Smart Lighting System using STM32 microcontroller with high performance ARM^{Ä°} Cortex^{Ä°}-M3 core. , 2020, , .		1
205	Travelers-Tracing and Mobility Profiling Using Machine Learning in Railway Systems. , 2020, , .		16
206	Terahertz Antenna Array Based on a Hybrid Perovskite Structure. IEEE Open Journal of Antennas and Propagation, 2020, 1, 464-471.	3.7	17
207	Flexible and Scalable Software Defined Radio Based Testbed for Large Scale Body Movement. Electronics (Switzerland), 2020, 9, 1354.	3.1	9
208	IoT Enabled Smart Security Framework for 3D Printed Smart Home. , 2020, , .		1
209	A novel cooperative link selection mechanism for enhancing the robustness in scale-free IoT networks. , 2020, , .		1
210	Enhanced MDT-Based Performance Estimation for AI Driven Optimization in Future Cellular Networks. IEEE Access, 2020, 8, 161406-161426.	4.2	14
211	Clustering Based UAV Base Station Positioning for Enhanced Network Capacity. , 2020, , .		8
212	Blockchain-enabled Wireless IoT Networks with Multiple Communication Connections. , 2020, , .		6
213	Non-Gaussian Colored Noise Generation for Wireless Channel Simulation with Particle Swarm Optimizer. , 2020, , .		0
214	Age of Information for Actuation Update in Real-Time Wireless Control Systems. , 2020, , .		5
215	Precision Techniques and Agriculture 4.0 Technologies to Promote Sustainability in the Coffee Sector: State of the Art, Challenges and Future Trends. IEEE Access, 2020, 8, 149854-149867.	4.2	81
216	Direction of Arrival Estimation Using Hybrid Spatial Cross-Cumulants and Root-MUSIC. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
217	Location Dependent Channel Characteristics for Implantable Devices. , 2020, , .		3
218	Intelligent Instruction-Based IoT Framework for Smart Home Applications using Speech Recognition. , 2020, , .		3
219	A Comprehensive Survey on Hybrid Communication in Context of Molecular Communication and Terahertz Communication for Body-Centric Nanonetworks. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 107-133.	2.1	44
220	A Speculative Study on 6G. IEEE Wireless Communications, 2020, 27, 118-125.	9.0	472
221	A 1-bit High-Gain Flexible Metasurface Reflectarray for Terahertz Application. , 2020, , .		0
222	Hardware-Based Hopfield Neuromorphic Computing for Fall Detection. Sensors, 2020, 20, 7226.	3.8	12
223	Privacy-Preserving Contact Tracing and Public Risk Assessment Using Blockchain for COVID-19 Pandemic. IEEE Internet of Things Magazine, 2020, 3, 58-63.	2.6	34
224	IEEE Access Special Section: Antenna and Propagation for 5G and Beyond. IEEE Access, 2020, 8, 207343-207351.	4.2	3
225	Optimizing the Number of Fog Nodes for Finite Fog Radio Access Networks under Multi-Slope Path Loss Model. Electronics (Switzerland), 2020, 9, 2175.	3.1	8
226	Grand Challenges in IoT and Sensor Networks. Frontiers in Communications and Networks, 2020, 1, .	3.0	24
227	Federated Machine Learning in Vehicular Networks: A summary of Recent Applications. , 2020, , .		20
228	Robust simulation-optimization of dynamic-stochastic production/inventory control system under uncertainty using computational intelligence. Uncertain Supply Chain Management, 2020, , 633-648.	3.2	4
229	A Block Access Control in Wireless Blockchain Networks. , 2020, , .		1
230	Energy Optimisation through Path Selection for Underwater Wireless Sensor Networks. , 2020, , .		4
231	Design of 1-Bit Digital Subwavelength Metasurface Element for Sub-6 GHz Applications. , 2020, , .		2
232	An Intelligent Non-Invasive Real-Time Human Activity Recognition System for Next-Generation Healthcare. Sensors, 2020, 20, 2653.	3.8	104
233	Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1761-1804.	39.4	208
234	Mixed-Numerology Signals Transmission and Interference Cancellation for Radio Access Network Slicing. IEEE Transactions on Wireless Communications, 2020, 19, 5132-5147.	9.2	20

#	ARTICLE	IF	CITATIONS
235	Mobility Prediction-Based Optimisation and Encryption of Passenger Traffic-Flows Using Machine Learning. <i>Sensors</i> , 2020, 20, 2629.	3.8	14
236	SyntheticNET: A 3GPP Compliant Simulator for AI Enabled 5G and Beyond. <i>IEEE Access</i> , 2020, 8, 82938-82950.	4.2	21
237	Intelligent handover decision scheme using double deep reinforcement learning. <i>Physical Communication</i> , 2020, 42, 101133.	2.1	28
238	Planar Pyramid Shaped UHF RFID Tag Antenna With Polarisation Diversity for IoT Applications Using Characteristics Mode Analysis. <i>IEEE Access</i> , 2020, 8, 103684-103696.	4.2	18
239	Robust and Efficient Integrated Antenna With EBG-DGS Enabled Wide Bandwidth for Wearable Medical Device Applications. <i>IEEE Access</i> , 2020, 8, 56346-56358.	4.2	46
240	Outage Probability in the Uplink of Multitier Millimeter Wave Cellular Networks. <i>IEEE Systems Journal</i> , 2020, 14, 2520-2531.	4.6	4
241	Incremental Composition Process for the Construction of Component-Based Management Systems. <i>Sensors</i> , 2020, 20, 1351.	3.8	3
242	Securing Internet of Medical Things with Friendly-jamming schemes. <i>Computer Communications</i> , 2020, 160, 431-442.	5.1	51
243	Energy Efficiency Maximization in Green Energy Aided Heterogeneous Cloud Radio Access Networks. , 2020, , .		2
244	Resource Allocation and Throughput Maximization for IoT Real-time Applications. , 2020, , .		3
245	Establishing effective communications in disaster affected areas and artificial intelligence based detection using social media platform. <i>Future Generation Computer Systems</i> , 2020, 112, 1057-1069.	7.5	27
246	AI4COVID-19: AI enabled preliminary diagnosis for COVID-19 from cough samples via an app. <i>Informatics in Medicine Unlocked</i> , 2020, 20, 100378.	3.4	412
247	Sensor Fusion for Identification of Freezing of Gait Episodes Using Wi-Fi and Radar Imaging. <i>IEEE Sensors Journal</i> , 2020, 20, 14410-14422.	4.7	37
248	An Application Development Framework for Internet-of-Things Service Orchestration. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4543-4556.	8.7	40
249	IEEE Access Special Section: Deployment and Management of Small Heterogeneous Cells for 5G. <i>IEEE Access</i> , 2020, 8, 19406-19409.	4.2	1
250	Enhancing Downlink QoS and Energy Efficiency Through a User-Centric Stienen Cell Architecture for mmWave Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2020, 4, 387-403.	5.5	10
251	Interference Alignment for One-Hop and Two-Hops MIMO Systems With Uncoordinated Interference. <i>IEEE Transactions on Communications</i> , 2020, 68, 902-914.	7.8	3
252	Survey and taxonomy of clustering algorithms in 5G. <i>Journal of Network and Computer Applications</i> , 2020, 154, 102539.	9.1	23

#	ARTICLE	IF	CITATIONS
253	Mobility Prediction Based Proactive Dynamic Network Orchestration for Load Balancing With QoS Constraint (OPERA). IEEE Transactions on Vehicular Technology, 2020, 69, 3370-3383.	6.3	15
254	Unmanned aerial vehicle for internet of everything: Opportunities and challenges. Computer Communications, 2020, 155, 66-83.	5.1	138
255	Teaching Embedded Systems for Energy Harvesting Applications: A Comparison of Teaching Methods Adopted in UESTC and KTH. IEEE Access, 2020, 8, 50780-50791.	4.2	7
256	Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. IEEE Transactions on Vehicular Technology, 2020, 69, 5102-5114.	6.3	4
257	An Overview of Neuromorphic Computing for Artificial Intelligence Enabled Hardware-Based Hopfield Neural Network. IEEE Access, 2020, 8, 67085-67099.	4.2	39
258	Blockchain-enabled resource management and sharing for 6G communications. Digital Communications and Networks, 2020, 6, 261-269.	5.0	119
259	Ultra-wideband Hybrid PICA Terahertz Antenna for High-Resolution Biomedical Imaging. , 2020, , .		4
260	IoT Enabled Smart Fertilization and Irrigation Aid for Agricultural Purposes. , 2020, , .		8
261	Internet of Things (IoT) Enabled Smart Indoor Air Quality Monitoring System. , 2020, , .		19
262	The 3-D flow of Casson nanofluid over a stretched sheet with chemical reactions, velocity slip, thermal radiation and Brownian motion. Thermal Science, 2020, 24, 2929-2939.	1.1	50
263	Internet of Things (IoT) enabled Smart Home Safety Barrier System. , 2020, , .		6
264	Internet of Things (IoT) for Healthcare Application. , 2020, , .		5
265	Machine Learning Approach for Automatic Fault Detection and Diagnosis in Cellular Networks. , 2020, , .		7
266	Assessment and Feedback Under Disruptive Circumstances in Trans-National Education. , 2020, , .		0
267	A Novel Approach to Policy Development under Disruptive Circumstances using Situation Awareness and Scenario Planning in Higher Education. , 2020, , .		1
268	A Zero Placement Algorithm for Synthesis of Flat Top Beam Pattern With Low Sidelobe Level. IEEE Access, 2020, 8, 225935-225944.	4.2	14
269	Ultra-wideband Sensor Antenna Design for 5G/UWB Based Real Time Location Systems. , 2020, , .		0
270	Artificial Intelligence Enabled Smart Refrigeration Management System Using Internet of Things Framework. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
271	A Corrugated SIW Based Slot Antenna for Terahertz Application. , 2020, , .		1
272	A Fast Blocking Matrix Generating Algorithm for Generalized Sidelobe Canceller Beamforming. , 2020, , .		0
273	Spider Web shaped Near-field UHF RFID Reader Antenna for Healthcare and IoT Applications. , 2020, , .		2
274	Auto-calibration of Linear Array Antenna Positioning for Single Snapshot Direction of Arrival Estimation. , 2020, , .		1
275	Assessing the Salt Constituents Characteristics in Aqueous Solutions Using Terahertz Waves. , 2020, , .		1
276	Software Defined Radio Based Testbed for Large Scale Body Movements. , 2020, , .		4
277	An Amplitude Distribution Network in the T/R Module for Beamforming Applications. , 2020, , .		0
278	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach. PLoS ONE, 2020, 15, e0242613.	2.5	5
279	Engineering Education, Moving into 2020s : Essential Competencies for Effective 21st Century Electrical & Computer Engineers. , 2020, , .		16
280	An Implantable Photovoltaic Energy Harvesting System with Skin Optical Analysis. , 2020, , .		0
281	Title is missing!. , 2020, 15, e0242613.		0
282	Title is missing!. , 2020, 15, e0242613.		0
283	Title is missing!. , 2020, 15, e0242613.		0
284	Title is missing!. , 2020, 15, e0242613.		0
285	Title is missing!. , 2020, 15, e0242613.		0
286	Title is missing!. , 2020, 15, e0242613.		0
287	\$\$\$ -Band Sensing-Based Motion Assessment Framework for Cerebellar Dysfunction Patients. IEEE Sensors Journal, 2019, 19, 8460-8467.	4.7	35
288	A Computational Analysis of Two-Phase Casson Nanofluid Passing a Stretching Sheet Using Chemical Reactions and Gyrotactic Microorganisms. Mathematical Problems in Engineering, 2019, 2019, 1-12.	1.1	43

#	ARTICLE	IF	CITATIONS
289	Introducing a Novel Technique of Detecting Fruits Contaminations Using Terahertz Sensing. , 2019, , .		1
290	Optimal Bin Width for Autonomous Coverage Estimation Using MDT Reports in the Presence of User Positioning Error. IEEE Communications Letters, 2019, 23, 716-719.	4.1	14
291	Performance Analysis of Early-HARQ for Finite Block-Length Packet Transmission. , 2019, , .		6
292	A New Dimension to Spectrum Management in IoT Empowered 5G Networks. IEEE Network, 2019, 33, 186-193.	6.9	12
293	Ultra-Reliable Communications for Industrial Internet of Things: Design Considerations and Channel Modeling. IEEE Network, 2019, 33, 104-111.	6.9	38
294	Characterization and Water Content Estimation Method of Living Plant Leaves Using Terahertz Waves. Applied Sciences (Switzerland), 2019, 9, 2781.	2.5	23
295	Novel QoS-Aware Proactive Spectrum Access Techniques for Cognitive Radio Using Machine Learning. IEEE Access, 2019, 7, 70811-70827.	4.2	28
296	Packet-Drop Design in URLLC for Real-Time Wireless Control Systems. IEEE Access, 2019, 7, 183081-183090.	4.2	11
297	Low-Cost Inkjet-Printed RFID Tag Antenna Design for Remote Healthcare Applications. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 261-268.	3.4	29
298	A Load-Aware Clustering Model for Coordinated Transmission in Future Wireless Networks. IEEE Access, 2019, 7, 92693-92708.	4.2	14
299	Cognitive health care system and its application in pillâ€rolling assessment. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2632.	1.9	37
300	Assessment and Feedback for Large Classes in Transnational Engineering Education: Studentâ€Staff Partnership-Based Innovative Approach. Education Sciences, 2019, 9, 221.	2.6	3
301	IoT for 5G/B5G Applications in Smart Homes, Smart Cities, Wearables and Connected Cars. , 2019, , .		13
302	Analysis of MHD and heat transfer effects with variable viscosity through ductus efferentes. AIP Advances, 2019, 9, 085320.	1.3	12
303	Reinforcement Learning Method for Beam Management in Millimeter-Wave Networks. , 2019, , .		8
304	Assistive and Monitoring Multifunctional Smart Crutch for Elderly. , 2019, , .		3
305	Motion Sensor-Based Small Cell Sleep Scheduling for 5G Networks. , 2019, , .		3
306	Orientation insensitive UHF RFID Tag Antenna with polarization diversity using Characteristic Mode Analysis. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
307	Visual Hand Tracking on Depth Image using 2-D Matched Filter. , 2019, , .		5
308	Drone Base Station Positioning and Power Allocation using Reinforcement Learning. , 2019, , .		11
309	Wearable UHF RFID Tag Antenna Design using Hilbert Fractal Structure. , 2019, , .		6
310	Coverage Analysis for Indoor-Outdoor Coexistence for Millimetre-Wave Communication. , 2019, , .		6
311	Channel Access and Power Control for Energy-Efficient Delay-Aware Heterogeneous Cellular Networks for Smart Grid Communications Using Deep Reinforcement Learning. IEEE Access, 2019, 7, 133474-133484.	4.2	19
312	Mobile Edge Computing-Based Data-Driven Deep Learning Framework for Anomaly Detection. IEEE Access, 2019, 7, 137656-137667.	4.2	34
313	Narrowband-Internet of Things (NB-IoT): Performance Evaluation in 5G Heterogeneous Wireless Networks. , 2019, , .		11
314	Backhaul-Aware and Context-Aware User-Cell Association Approach. , 2019, , .		2
315	Electromagnetic Properties of Plant Leaves at Terahertz Frequencies for Health Status Monitoring. , 2019, , .		3
316	User Access Control and Bandwidth Allocation for Slice-Based 5G-and-Beyond Radio Access Networks. , 2019, , .		15
317	Assessment of Worn Textile Antennasâ€™ Exposure on the Physiological Parameters and Well-Being of Adults. IEEE Access, 2019, 7, 98946-98958.	4.2	12
318	Delay-Aware Energy-Efficient Joint Power Control and Mode Selection in Device-to-Device Communications for FREEDM Systems in Smart Grids. IEEE Access, 2019, 7, 87369-87381.	4.2	12
319	Performance analysis of semiconductor optical amplifier as a gate switch. AIP Conference Proceedings, 2019, , .	0.4	4
320	Terahertz Antenna based on Graphene for Wearable Applications. , 2019, , .		6
321	Improve Tracking Speed of Beamformer With Simplified Zero Placement Algorithm. , 2019, , .		3
322	Low-profile Flexible Perovskite based Millimetre Wave Antenna. , 2019, , .		2
323	Modelling of Implantable Photovoltaic Cells Based on Human Skin Types. , 2019, , .		5
324	Outage Detection for Millimeter Wave Ultra-Dense HetNets in High Fading Environments. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
325	Terahertz Sensing for Fruit Spoilage Monitoring. , 2019, , .		9
326	Monitoring the Variability of Water Dynamics in Plant Leaves at Cellular Level Using Terahertz Sensing. , 2019, , .		1
327	Flexible and Wearable Graphene-based Terahertz Antenna for Body-Centric Applications. , 2019, , .		7
328	Cell Fault Management Using Machine Learning Techniques. IEEE Access, 2019, 7, 124514-124539.	4.2	30
329	State-of-the-art in terahertz sensing for food and water security â€“ A comprehensive review. Trends in Food Science and Technology, 2019, 85, 241-251.	15.1	106
330	A novel deep learning driven, low-cost mobility prediction approach for 5G cellular networks: The case of the Control/Data Separation Architecture (CDSA). Neurocomputing, 2019, 358, 479-489.	5.9	63
331	Inkjetâ€­printed UHF RFID tag based system for salinity and sugar detection. Microwave and Optical Technology Letters, 2019, 61, 2161-2168.	1.4	17
332	IEEE Access Special Section Editorial: Underwater Wireless Communications and Networking. IEEE Access, 2019, 7, 52288-52294.	4.2	7
333	Backhaul Aware User-Specific Cell Association Using Q-Learning. IEEE Transactions on Wireless Communications, 2019, 18, 3528-3541.	9.2	14
334	Circular Polarized RFID Tag Antenna Design using Characteristic Mode Analysis. , 2019, , .		7
335	Recent Advances in Fabrication Methods for Flexible Antennas in Wearable Devices: State of the Art. Sensors, 2019, 19, 2312.	3.8	107
336	Numerical Treatment for the Three-Dimensional Eyring-Powell Fluid Flow over a Stretching Sheet with Velocity Slip and Activation Energy. Advances in Mathematical Physics, 2019, 2019, 1-12.	0.8	53
337	Design, Test and Optimization of Inductive Coupled Coils for Implantable Biomedical Devices. Journal of Low Power Electronics, 2019, 15, 76-86.	0.6	16
338	Generative Adversarial Learning for Machine Learning empowered Self Organizing 5G Networks. , 2019, , .		12
339	Blockchain-Enabled Wireless Internet of Things: Performance Analysis and Optimal Communication Node Deployment. IEEE Internet of Things Journal, 2019, 6, 5791-5802.	8.7	182
340	IEEE Access Special Section Editorial: Modeling, Analysis, AND Design OF 5G Ultra-Dense Networks. IEEE Access, 2019, 7, 18894-18898.	4.2	3
341	Incast Mitigation in a Data Center Storage Cluster Through a Dynamic Fair-Share Buffer Policy. IEEE Access, 2019, 7, 10718-10733.	4.2	3
342	Artificial Intelligence for Photovoltaic Systems. Power Systems, 2019, , 121-142.	0.5	4

#	ARTICLE	IF	CITATIONS
343	A Heterogeneous IoV Architecture for Data Forwarding in Vehicle to Infrastructure Communication. Mobile Information Systems, 2019, 2019, 1-12.	0.6	40
344	Performance Analysis of Hybrid ARQ for Ultra-Reliable Low Latency Communications. IEEE Sensors Journal, 2019, 19, 3521-3531.	4.7	22
345	Optimal Filter Length and Zero Padding Length Design for Universal Filtered Multi-Carrier (UFMC) System. IEEE Access, 2019, 7, 21687-21701.	4.2	12
346	An efficient monitoring of eclamptic seizures in wireless sensors networks. Computers and Electrical Engineering, 2019, 75, 16-30.	4.8	30
347	Active Constellation Extension for Peak Power Reduction Based on Positive and Negative Iterations in OFDM Systems. , 2019, , .		1
348	WiFreeze: Multiresolution Scalograms for Freezing of Gait Detection in Parkinsonâ€™s Leveraging 5G Spectrum with Deep Learning. Electronics (Switzerland), 2019, 8, 1433.	3.1	23
349	Adversarial ML Attack on Self Organizing Cellular Networks. , 2019, , .		2
350	Programmable Wireless Channel for Multi-User MIMO Transmission Using Meta-Surface. , 2019, , .		15
351	Radome Design with Improved Aerodynamics and Radiation for Smart Antennas in Automotive Applications. , 2019, , .		3
352	Q-Learning Assisted Energy-Aware Traffic Offloading and Cell Switching in Heterogeneous Networks. , 2019, , .		10
353	A Flexible Low-Cost Hybrid Beamforming Structure for Practical Beamforming Applications. , 2019, , .		6
354	Performance Analysis for Blockchain Driven Wireless IoT Systems Based on Tempo-Spatial Model. , 2019, , .		6
355	Flexible SDN/NFV-based SON testbed for 5G mobile networks. , 2019, , .		3
356	Monitoring Health Status and Quality Assessment of Leaves Using Terahertz Frequency. , 2019, , .		3
357	Channel Impulse Response-based Physical Layer Authentication in a Diffusion-based Molecular Communication System. , 2019, , .		6
358	Adversarial Machine Learning Attack on Modulation Classification. , 2019, , .		9
359	A Machine Learning Based 3D Propagation Model for Intelligent Future Cellular Networks. , 2019, , .		33
360	On the Viable Area of Wireless Practical Byzantine Fault Tolerance (PBFT) Blockchain Networks. , 2019, , .		28

#	ARTICLE	IF	CITATIONS
361	Reinforcement Learning driven Energy Efficient Mobile Communication and Applications. , 2019, , .		7
362	Direction of Arrival Estimation using Root-Transformation Matrix Technique. , 2019, , .		3
363	Spectrum Cost Optimization for Cognitive Radio Transmission over TV White Spaces using Artificial Neural Networks. , 2019, , .		1
364	Towards Real-Time User QoE Assessment via Machine Learning on LTE Network Data. , 2019, , .		11
365	Monitoring Quality Control of Fruits Using Terahertz Sensing. , 2019, , .		0
366	Machine learning driven non-invasive approach of water content estimation in living plant leaves using terahertz waves. Plant Methods, 2019, 15, 138.	4.3	30
367	Beamforming Optimization based on Kalman Filter for Vehicle in Constrained Route. , 2019, , .		1
368	Communication and Control Co-Design Using MIMO Wireless Network. , 2019, , .		2
369	Compact Base Station Antenna Based on Image Theory for UWB/5G RTLS Embraced Smart Parking of Driverless Cars. IEEE Access, 2019, 7, 180898-180909.	4.2	21
370	Quality of Service Optimization in an IoT-Driven Intelligent Transportation System. IEEE Wireless Communications, 2019, 26, 10-17.	9.0	117
371	Health Activities Monitoring and Warning System for Geriatric Daily Living in Extra Care Homes. , 2019, , .		3
372	An Overview of Post-Disaster Emergency Communication Systems in the Future Networks. IEEE Wireless Communications, 2019, 26, 132-139.	9.0	54
373	High Bandwidth Perovskite based Antenna for High-Resolution Biomedical Imaging at Terahertz. , 2019, , .		7
374	A Systematic Review of Project Allocation Methods in Undergraduate Transnational Engineering Education. Education Sciences, 2019, 9, 258.	2.6	8
375	A Secure Occupational Therapy Framework for Monitoring Cancer Patientsâ€™ Quality of Life. Sensors, 2019, 19, 5258.	3.8	19
376	Error Probability Analysis of Non-Orthogonal Multiple Access for Relaying Networks with Residual Hardware Impairments. , 2019, , .		6
377	Clustering Algorithm in Vehicular Ad-hoc Networks: A Brief Summary. , 2019, , .		1
378	Establishing A Novel Technique for the Detection of Water Contamination Using Terahertz Waves. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
379	Novel Flexible and Wearable 2.4 GHz Antenna for Body-Centric Applications. , 2019, , .		3
380	Handover Management in Dense Networks with Coverage Prediction from Sparse Networks. , 2019, , .		6
381	Low Density Spreading Multiple Access. , 2019, , 493-514.		0
382	Energy Efficiency of Multiple Antenna Cellular Networks Considering a Realistic Power Consumption Model. IEEE Transactions on Green Communications and Networking, 2019, 3, 1-10.	5.5	8
383	Modulation Mode Detection and Classification for <i>In Vivo</i> Nano-Scale Communication Systems Operating in Terahertz Band. IEEE Transactions on Nanobioscience, 2019, 18, 10-17.	3.3	11
384	Millimeter-Wave Liquid Crystal Polymer Based Conformal Antenna Array for 5G Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 84-88.	4.0	105
385	Low-Cost Inkjet-Printed UHF RFID Tag-Based System for Internet of Things Applications Using Characteristic Modes. IEEE Internet of Things Journal, 2019, 6, 3962-3975.	8.7	51
386	Evaluation of ultra-wideband in vivo radio channel and its effects on system performance. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3530.	3.9	6
387	Toward Real-Time Control in Future Wireless Networks: Communication-Control Co-Design. IEEE Communications Magazine, 2019, 57, 138-144.	6.1	60
388	The Role and Applications of Machine Learning in Future Self-Organizing Cellular Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2019, , 1-23.	0.4	0
389	Computational Intelligence Techniques for Mobile Network Optimization [Guest Editorial]. IEEE Computational Intelligence Magazine, 2018, 13, 28-28.	3.2	4
390	Wireless Backhaul: Performance Modeling and Impact on User Association for 5G. IEEE Transactions on Wireless Communications, 2018, 17, 3095-3110.	9.2	41
391	Radio Resource Management Scheme in NB-IoT Systems. IEEE Access, 2018, 6, 15051-15064.	4.2	115
392	Coverage, Capacity, and Energy Efficiency Analysis in the Uplink of mmWave Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 3982-3997.	6.3	28
393	Memory-Full Context-Aware Predictive Mobility Management in Dual Connectivity 5G Networks. IEEE Access, 2018, 6, 9655-9666.	4.2	16
394	A Survey of Self-Interference Management Techniques for Single Frequency Full Duplex Systems. IEEE Access, 2018, 6, 30242-30268.	4.2	81
395	Spectrum Efficient MIMO-FBMC System Using Filter Output Truncation. IEEE Transactions on Vehicular Technology, 2018, 67, 2367-2381.	6.3	15
396	Performance evaluation of TCP over software-defined optical burst-switched data centre network. Journal of Computational Science, 2018, 24, 44-53.	2.9	2

#	ARTICLE	IF	CITATIONS
397	Learning 101: The Untaught Basics. IEEE Potentials, 2018, 37, 33-38.	0.3	6
398	Leveraging Intelligence from Network CDR Data for Interference Aware Energy Consumption Minimization. IEEE Transactions on Mobile Computing, 2018, 17, 1569-1582.	5.8	15
399	User-Centric Cloud RAN: An Analytical Framework for Optimizing Area Spectral and Energy Efficiency. IEEE Access, 2018, 6, 19859-19875.	4.2	25
400	Optical Non-Orthogonal Multiple Access for Visible Light Communication. IEEE Wireless Communications, 2018, 25, 82-88.	9.0	100
401	Energy-Aware Radio Resource Management in D2D-Enabled Multi-Tier HetNets. IEEE Access, 2018, 6, 16610-16622.	4.2	31
402	Performance Analysis and Optimization of DCT-Based Multicarrier System on Frequency-Selective Fading Channels. IEEE Access, 2018, 6, 13075-13089.	4.2	11
403	Joint Sparse Graph for FBMC/OQAM Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 6098-6112.	6.3	7
404	IEEE Access Special Section Editorial: Security in Wireless Communications and Networking. IEEE Access, 2018, 6, 8959-8963.	4.2	0
405	A Novel Load-Balancing Scheme for Cellular-WLAN Heterogeneous Systems With a Cell-Breathing Technique. IEEE Systems Journal, 2018, 12, 2094-2105.	4.6	6
406	Narrowband Internet of Things (NB-IoT) and LTE Systems Co-Existence Analysis. , 2018, , .		8
407	Dynamic Wireless QoS Analysis for Real-Time Control in URLLC. , 2018, , .		9
408	Chronic Obstructive Pulmonary Disease Warning in the Approximate Ward Environment. Applied Sciences (Switzerland), 2018, 8, 1915.	2.5	14
409	IEEE Access Special Section Editorial: Mission Critical Public-Safety Communications: Architectures, Enabling Technologies, and Future Applications. IEEE Access, 2018, 6, 79258-79262.	4.2	5
410	Towards User QoE-Centric Elastic Cellular Networks: A Game Theoretic Framework for Optimizing Throughput and Energy Efficiency. , 2018, , .		4
411	Deep Learning Based Detection of Sleeping Cells in Next Generation Cellular Networks. , 2018, , .		16
412	Universal Access in 5G Networks: Potential Challenges and Opportunities for Urban and Rural Environments. , 2018, , 299-326.		3
413	A compact Non-Invasive WearableVital Signal Monitoring System. , 2018, , .		3
414	A Tractable Approach to Base Station Sleep Mode Power Consumption and Deactivation Latency. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
415	User Transmit Power Minimization through Uplink Resource Allocation and User Association in HetNets. , 2018, , .		7
416	Towards Designing Systems with Large Number of Antennas for Range Extension in Ground-to-Air Communications. , 2018, , .		3
417	A Compact Wearable System for Detection of Plantar Pressure for Diabetic Foot Prevention. , 2018, , .		3
418	Tunable Folded- Patch UHF RFID Tag Antenna Design using Theory of Characteristic Modes. , 2018, , .		5
419	Coverage and rate analysis in the uplink of millimeter wave cellular networks with fractional power control. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, 195.	2.4	4
420	Hardware Efficient Adaptive Beamformer Based on Cyclic Variable Step Size. , 2018, , .		2
421	Joint Resource Allocation and Power Control in Heterogeneous Cellular Networks for Smart Grids. , 2018, , .		8
422	Critical Data-Based Incremental Cooperative Communication for Wireless Body Area Network. Sensors, 2018, 18, 3661.	3.8	30
423	IEEE Access Special Section Editorial: Optical Wireless Technologies for 5G Communications and Beyond. IEEE Access, 2018, 6, 63619-63623.	4.2	3
424	Concurrent CCO and LB Optimization in Emerging HetNets: A Novel Solution and Comparative Analysis. , 2018, , .		2
425	Wireless Power Transfer for 3D Printed Unmanned Aerial Vehicle (UAV) Systems. , 2018, , .		13
426	Simulation of Photovoltaic Cells for Implantable Sensory Applications. , 2018, , .		8
427	Truncated Channel Inversion Power Control for the Uplink of mmWave Cellular Networks. , 2018, , .		3
428	Dynamic Priority Based Reliable Real-Time Communications for Infrastructure-Less Networks. IEEE Access, 2018, 6, 67338-67359.	4.2	6
429	On the Efficiency Tradeoffs in User-Centric Cloud RAN. , 2018, , .		7
430	Cell Coverage Degradation Detection Using Deep Learning Techniques. , 2018, , .		10
431	Guest Editorial Emerging Technologies in Tactile Internet and Backhaul/Fronthaul Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2387-2389.	14.0	1
432	Dynamic QoS Allocation for Real-Time Wireless Control in Tactile Internet. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
433	Energy-Efficient and Load-Proportional eNodeB for 5G User-Centric Networks: A Multilevel Sleep Strategy Mechanism. IEEE Vehicular Technology Magazine, 2018, 13, 51-59.	3.4	27
434	Editorial: Spectrum extensions for 5G and beyond 5G networks. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3519.	3.9	7
435	Energy Harvesting in LoRaWAN: A Cost Analysis for the Industry 4.0. IEEE Communications Letters, 2018, 22, 2358-2361.	4.1	33
436	Computationally Intelligent Techniques for Resource Management in MmWave Small Cell Networks. IEEE Wireless Communications, 2018, 25, 32-39.	9.0	47
437	Energy-Aware Smart Connectivity for IoT Networks: Enabling Smart Ports. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	30
438	Detection of Pressure and Heat in a Compressive Orthotic for Diabetes Prevention Using Nanotechnology. , 2018, , .		1
439	Distributed Drone Base Station Positioning for Emergency Cellular Networks Using Reinforcement Learning. Cognitive Computation, 2018, 10, 790-804.	5.2	77
440	Cognition-Inspired 5G Cellular Networks: A Review and the Road Ahead. IEEE Access, 2018, 6, 35072-35090.	4.2	42
441	Sub-Graph Based Joint Sparse Graph for Sparse Code Multiple Access Systems. IEEE Access, 2018, 6, 25066-25080.	4.2	13
442	Intracell Interference Characterization and Cluster Interference for D2D Communication. IEEE Transactions on Vehicular Technology, 2018, 67, 8536-8548.	6.3	4
443	Breathing Rhythm Analysis in Body Centric Networks. IEEE Access, 2018, 6, 32507-32513.	4.2	30
444	Optical Asymmetric Modulation for VLC Systems - Invited Paper. , 2018, , .		6
445	A Novel Orthogonal Transmission Scheme for Visible Light Communication. , 2018, , .		3
446	Power Management Using Photovoltaic Cells for Implantable Devices. IEEE Access, 2018, 6, 42156-42164.	4.2	24
447	Mobility Prediction-Based Autonomous Proactive Energy Saving (AURORA) Framework for Emerging Ultra-Dense Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 958-971.	5.5	26
448	Minimizing Wireless Resource Consumption for Packetized Predictive Control in Real-Time Cyber Physical Systems. , 2018, , .		16
449	Memory-Based User-Centric Backhaul-Aware User Cell Association Scheme. IEEE Access, 2018, 6, 39595-39605.	4.2	12
450	A Review on the Role of Nano-Communication in Future Healthcare Systems: A Big Data Analytics Perspective. IEEE Access, 2018, 6, 41903-41920.	4.2	70

#	ARTICLE	IF	CITATIONS
451	Multiple antenna techniques for terahertz nano-bio communication. , 2018, , .		1
452	Terahertz characterisation of living plant leaves for quality of life assessment applications. , 2018, , .		20
453	Experimental analysis of ultra wideband in vivo radio channel. , 2018, , .		9
454	Introducing a Novel Minimum Accuracy Concept for Predictive Mobility Management Schemes. , 2018, , .		8
455	Utilizing a 5G spectrum for health care to detect the tremors and breathing activity for multiple sclerosis. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3454.	3.9	31
456	Self-Healing in Emerging Cellular Networks: Review, Challenges, and Research Directions. IEEE Communications Surveys and Tutorials, 2018, 20, 1682-1709.	39.4	78
457	Mathematical Modeling of Ultra Wideband <italic>in Vivo</italic> Radio Channel. IEEE Access, 2018, 6, 20848-20854.	4.2	13
458	A hybrid precoding&€and filtering&€based uplink MC&€NOMA scheme for 5G cellular networks with reduced PAPR. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3501.	3.9	4
459	FPGA Implementation of UPMC Based Baseband Transmitter: Case Study for LTE 10MHz Channelization. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	8
460	Concurrent Optimization of Coverage, Capacity, and Load Balance in HetNets Through Soft and Hard Cell Association Parameters. IEEE Transactions on Vehicular Technology, 2018, 67, 8781-8795.	6.3	30
461	Radio Resource Allocation for Multicarrier Low-Density-Spreading Multiple Access. IEEE Transactions on Vehicular Technology, 2017, 66, 2382-2393.	6.3	14
462	Electromagnetic Emission-Aware Schedulers for the Uplink of OFDM Wireless Communication Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 1313-1323.	6.3	18
463	Coordinated Multi-Point Clustering Schemes: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 743-764.	39.4	128
464	Predictive and Core-Network Efficient RRC Signalling for Active State Handover in RANs With Control/Data Separation. IEEE Transactions on Wireless Communications, 2017, 16, 1423-1436.	9.2	34
465	Modular Approach for Modelling the Hybrid Multi-Hop Backhaul Performance. IEEE Wireless Communications Letters, 2017, 6, 262-265.	5.0	4
466	Social-Aware Resource Allocation and Optimization for D2D Communication. IEEE Wireless Communications, 2017, 24, 122-129.	9.0	43
467	Collagen Analysis at Terahertz Band Using Double-Debye Parameter Extraction and Particle Swarm Optimisation. IEEE Access, 2017, 5, 27850-27856.	4.2	11
468	Feasibility, architecture and cost considerations of using TVWS for rural Internet access in 5G. , 2017, , .		44

#	ARTICLE	IF	CITATIONS
469	Towards proactive context-aware self-healing for 5G networks. Computer Networks, 2017, 128, 5-13.	5.1	11
470	On the joint optimisation of radio access and backhaul networks. , 2017, , .		2
471	On the impact of HARQ on the throughput and energy efficiency using cross-layer analysis. , 2017, , .		2
472	Energy-Efficient SON-Based User-Centric Backhaul Scheme. , 2017, , .		4
473	Physical Layer Authentication in Nano Networks at Terahertz Frequencies for Biomedical Applications. IEEE Access, 2017, 5, 7808-7815.	4.2	28
474	Energy efficient hybrid satellite terrestrial 5G networks with software defined features. Journal of Communications and Networks, 2017, 19, 147-161.	2.6	51
475	Spatial and Social Paradigms for Interference and Coverage Analysis in Underlay D2D Network. IEEE Transactions on Vehicular Technology, 2017, 66, 9328-9337.	6.3	8
476	Mobile Health in the Developing World: Review of Literature and Lessons From a Case Study. IEEE Access, 2017, 5, 11540-11556.	4.2	126
477	Analytical Characterisation of the Terahertz In-Vivo Nano-Network in the Presence of Interference Based on TS-OOK Communication Scheme. IEEE Access, 2017, 5, 10172-10181.	4.2	23
478	Electromagnetic Emission-Aware Scheduling for the Uplink of Multicell OFDM Wireless Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 8212-8222.	6.3	7
479	Enabling proactive self-healing by data mining network failure logs. , 2017, , .		21
480	Planning Wireless Cellular Networks of Future: Outlook, Challenges and Opportunities. IEEE Access, 2017, 5, 4821-4845.	4.2	88
481	M2M Communications in 5G: State-of-the-Art Architecture, Recent Advances, and Research Challenges. , 2017, 55, 194-201.		92
482	Fault prediction and reliability analysis in a real cellular network. , 2017, , .		15
483	Coverage analysis in the uplink of mmWave cellular networks. , 2017, , .		5
484	A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 2392-2431.	39.4	352
485	Fuzzy Q-learning-based user-centric backhaul-aware user cell association scheme. , 2017, , .		9
486	Spatial quadrature modulation for visible light communication in indoor environment. , 2017, , .		9

#	ARTICLE	IF	CITATIONS
487	Hardware Complexity Reduction in Universal Filtered Multicarrier Transmitter Implementation. IEEE Access, 2017, 5, 13401-13408.	4.2	20
488	Employing antenna selection to improve energy efficiency in massive MIMO systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3212.	3.9	12
489	Optimizing the energy efficiency of short term ultra reliable communications in vehicular networks. , 2017, , .		1
490	Non-Orthogonal Multiple Access (NOMA) for Future Radio Access. , 2017, , 135-163.		41
491	Spatiotemporal Mobility Prediction in Proactive Self-Organizing Cellular Networks. IEEE Communications Letters, 2017, 21, 370-373.	4.1	41
492	Anatomical Region-Specific In Vivo Wireless Communication Channel Characterization. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1254-1262.	6.3	33
493	IEEE Access Special Section Editorial: Health Informatics for the Developing World. IEEE Access, 2017, 5, 27818-27823.	4.2	8
494	3D Transition Matrix Solution for a Path Dependency Problem of Markov Chains-Based Prediction in Cellular Networks. , 2017, , .		5
495	Delay-optimal mode selection in device-to-device communications for smart grid. , 2017, , .		5
496	Improvement on the Performance of Predictive Handover Management by Setting a Threshold. , 2017, , .		5
497	A novel load-aware cell association for simultaneous network capacity and user QoS optimization in emerging HetNets. , 2017, , .		5
498	Designing Precoding and Receive Matrices for Interference Alignment in MIMO Interference Channels. , 2017, , .		2
499	What user-cell association algorithms will perform best in mmWave massive MIMO ultra-dense HetNets?. , 2017, , .		11
500	Predictive Base Station Activation in Futuristic Energy-Efficient Control/Data Separated RAN. , 2017, , .		0
501	On the Area Energy Efficiency of Multiple Transmit Antenna Small Base Stations. , 2017, , .		1
502	How 5G Wireless (and Concomitant Technologies) Will Revolutionize Healthcare?. Future Internet, 2017, 9, 93.	3.8	122
503	Approximate Networking for Universal Internet Access. Future Internet, 2017, 9, 94.	3.8	2
504	Analytical approach to base station sleep mode power consumption and sleep depth. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
505	Case Study on Using the User-Centric-Backhaul Scheme to Unlock the Realistic Backhaul. , 2017, , .		0
506	A self-organized resource allocation scheme for heterogeneous macro-femto networks. Wireless Communications and Mobile Computing, 2016, 16, 330-342.	1.2	9
507	An Enhanced Energy Balanced Data Transmission Protocol for Underwater Acoustic Sensor Networks. Sensors, 2016, 16, 487.	3.8	59
508	Catalytic Flash Pyrolysis of Biomass Using Different Types of Zeolite and Online Vapor Fractionation. Energies, 2016, 9, 187.	3.1	45
509	A multi-objective performance modelling framework for enabling self-optimisation of cellular network topology and configurations. Transactions on Emerging Telecommunications Technologies, 2016, 27, 1000-1015.	3.9	3
510	A Survey of the Challenges, Opportunities and Use of Multiple Antennas in Current and Future 5G Small Cell Base Stations. IEEE Access, 2016, 4, 2952-2964.	4.2	187
511	A learning-based approach for autonomous outage detection and coverage optimization. Transactions on Emerging Telecommunications Technologies, 2016, 27, 439-450.	3.9	24
512	A Multiple Attribute User-Centric Backhaul Provisioning Scheme Using Distributed SON. , 2016, , .		15
513	Energy Efficiency Analysis of Heterogeneous Cache-Enabled 5G Hyper Cellular Networks. , 2016, , .		16
514	Internet of Things (IoT) in 5G Wireless Communications. IEEE Access, 2016, 4, 10310-10314.	4.2	123
515	A user centric self-optimizing grid-based approach for antenna steering based on call detail records. , 2016, , .		1
516	Dynamic femtocell resource allocation for managing inter-tier interference in downlink of heterogeneous networks. IET Communications, 2016, 10, 641-650.	2.2	18
517	Distributed Anomaly Detection Using Minimum Volume Elliptical Principal Component Analysis. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2320-2333.	5.7	31
518	In Vivo Communications: Steps Toward the Next Generation of Implantable Devices. IEEE Vehicular Technology Magazine, 2016, 11, 32-42.	3.4	21
519	Terahertz Channel Characterization Inside the Human Skin for Nano-Scale Body-Centric Networks. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 427-434.	3.1	131
520	5G Backhaul Challenges and Emerging Research Directions: A Survey. IEEE Access, 2016, 4, 1743-1766.	4.2	558
521	mmWave based vs 2 GHz networks: What is more energy efficient?. , 2016, , .		2
522	Adaptive stochastic radio access selection scheme for cellular-WLAN heterogeneous communication systems. IET Communications, 2016, 10, 1986-1994.	2.2	3

#	ARTICLE	IF	CITATIONS
523	Software-Defined Optical Burst Switching for HPC and Cloud Computing Data Centers. Journal of Optical Communications and Networking, 2016, 8, 610.	4.8	20
524	A joint backhaul and RAN perspective on the benefits of centralised RAN functions. , 2016, , .		14
525	THz Time-Domain Spectroscopy of Human Skin Tissue for In-Body Nanonetworks. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 803-809.	3.1	30
526	Nano-Communication for Biomedical Applications: A Review on the State-of-the-Art From Physical Layers to Novel Networking Concepts. IEEE Access, 2016, 4, 3920-3935.	4.2	84
527	Green Hybrid Satellite Terrestrial Networks: Fundamental Trade-Off Analysis. , 2016, , .		10
528	Enabling Massive IoT in 5G and Beyond Systems: PHY Radio Frame Design Considerations. IEEE Access, 2016, 4, 3322-3339.	4.2	182
529	Extrinsic Information Modification in the Turbo Decoder by Exploiting Source Redundancies for HEVC Video Transmitted Over a Mobile Channel. IEEE Access, 2016, 4, 7186-7198.	4.2	2
530	Output SNR analysis and detection criteria for optimum DCT-based multicarrier system. , 2016, , .		2
531	Interference Mitigation in D2D Communication Underlying LTE-A Network. IEEE Access, 2016, 4, 7967-7987.	4.2	57
532	Fronthaul data compression for Uplink CoMP in cloud radio access network (Câ€RAN). Transactions on Emerging Telecommunications Technologies, 2016, 27, 1409-1425.	3.9	3
533	Impact of positioning error on achievable spectral efficiency in database-aided networks. , 2016, , .		3
534	Spectral and energy efficient cognitive radioâ€aided heterogeneous cellular network with uplink power adaptation. Wireless Communications and Mobile Computing, 2016, 16, 2144-2162.	1.2	2
535	A Distributed SON-Based User-Centric Backhaul Provisioning Scheme. IEEE Access, 2016, 4, 2314-2330.	4.2	37
536	Load Aware Self-Organising User-Centric Dynamic CoMP Clustering for 5G Networks. IEEE Access, 2016, 4, 2895-2906.	4.2	190
537	Control and Data Channel Resource Allocation in OFDMA Heterogeneous Networks. Journal of Signal Processing Systems, 2016, 85, 183-199.	2.1	1
538	Performance evaluation of hybrid optical switch architecture for data center networks. Optical Switching and Networking, 2016, 21, 1-15.	2.0	18
539	How Reliable is MDT-Based Autonomous Coverage Estimation in the Presence of User and BS Positioning Error?. IEEE Wireless Communications Letters, 2016, 5, 196-199.	5.0	13
540	On the Traffic Offloading in Wi-Fi Supported Heterogeneous Wireless Networks. Journal of Signal Processing Systems, 2016, 83, 225-240.	2.1	3

#	ARTICLE	IF	CITATIONS
541	Separation Framework: An Enabler for Cooperative and D2D Communication for Future 5G Networks. IEEE Communications Surveys and Tutorials, 2016, 18, 419-445.	39.4	109
542	Energy Efficient Inter-Frequency Small Cell Discovery in Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7122-7135.	6.3	25
543	Control-Data Separation Architecture for Cellular Radio Access Networks: A Survey and Outlook. IEEE Communications Surveys and Tutorials, 2016, 18, 446-465.	39.4	102
544	A Cell Outage Management Framework for Dense Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2097-2113.	6.3	91
545	On the Optimization of Distributed Compression in Multirelay Cooperative Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2114-2128.	6.3	3
546	Will 5G See its Blind Side? Evolving 5G for Universal Internet Access. , 2016, , .		13
547	Acoustic and Device Feature Fusion for Load Recognition. Studies in Computational Intelligence, 2016, , 287-300.	0.9	0
548	An Integrated Approach for Functional Decomposition of Future RAN. Studies in Systems, Decision and Control, 2016, , 123-144.	1.0	0
549	Outage Detection Framework for Energy Efficient Communication Network. Studies in Systems, Decision and Control, 2016, , 3-29.	1.0	0
550	Receiver and resource allocation optimization for uplink NOMA in 5G wireless networks. , 2015, , .		27
551	Electromagnetic emission-aware scheduling for the uplink of coordinated OFDM wireless systems. , 2015, , .		7
552	A Game Theoretic Approach for Optimizing Density of Remote Radio Heads in User Centric Cloud-Based Radio Access Network. , 2015, , .		7
553	Self organising cloud cells: a resource efficient network densification strategy. Transactions on Emerging Telecommunications Technologies, 2015, 26, 1096-1107.	3.9	20
554	Continuous Time Markov Chain Based Reliability Analysis for Future Cellular Networks. , 2015, , .		14
555	Electromagnetic emission-aware resource allocation for the uplink of OFDM wireless communication systems. , 2015, , .		2
556	Correlation-based adaptive pilot pattern in control/data separation architecture. , 2015, , .		10
557	Energy Efficiency vs. Economic Cost of Cellular Networks under Co-channel Interference. IEEE Latin America Transactions, 2015, 13, 422-427.	1.6	0
558	Accurate and Efficient Algorithms for Cognitive Radio Modeling Applications Under the i.n.i.d. Paradigm. IEEE Transactions on Vehicular Technology, 2015, 64, 1750-1765.	6.3	12

#	ARTICLE	IF	CITATIONS
559	A Survey and Tutorial of Electromagnetic Radiation and Reduction in Mobile Communication Systems. IEEE Communications Surveys and Tutorials, 2015, 17, 790-802.	39.4	34
560	Impact of inaccurate user and base station positioning on autonomous coverage estimation. , 2015, , .		3
561	Self-optimization of cell sizes in cellular networks. , 2015, , .		0
562	Performance evaluation and comparison of different multicarrier modulation schemes. , 2015, , .		3
563	Experimental Characterization of In Vivo Wireless Communication Channels. , 2015, , .		8
564	Energy efficiency of base station cooperation using amplify-and-forward relay protocol. , 2015, , .		1
565	Control and data channel resource allocation in macro-femto Heterogeneous Networks. , 2015, , .		2
566	Mobility prediction for handover management in cellular networks with control/data separation. , 2015, , .		52
567	On bounds for the cognitive multiple access Z-Interference Channel. , 2015, , .		0
568	Performance analysis of Cellular-WLAN Heterogeneous Network based on Continuous Time Markov Chain. , 2015, , .		1
569	Performance analysis of C/U split hybrid satellite terrestrial network for 5G systems. , 2015, , .		11
570	An adaptive backhaul-aware cell range extension approach. , 2015, , .		25
571	Energy efficient resource allocation for 5G Heterogeneous Networks. , 2015, , .		11
572	IEEE ACCESS SPECIAL SECTION EDITORIAL: ARTIFICIAL INTELLIGENCE ENABLED NETWORKING. IEEE Access, 2015, 3, 3079-3082.	4.2	15
573	Performance Evaluation of TCP over Optical Burst-Switched Data Center Network. , 2015, , .		0
574	DS-CDMA assisted visible light communications systems. , 2015, , .		3
575	System level power consumption model for mobile phones as part of E3F. , 2015, , .		0
576	The role of satellites in 5G. , 2015, , .		69

#	ARTICLE	IF	CITATIONS
577	Characterizing Coverage and Downlink Throughput of Cloud Empowered HetNets. IEEE Communications Letters, 2015, 19, 1013-1016.	4.1	17
578	Future RAN Architecture: SD-RAN Through a General-Purpose Processing Platform. IEEE Vehicular Technology Magazine, 2015, 10, 52-60.	3.4	26
579	The Cognitive Internet of Things: A Unified Perspective. Mobile Networks and Applications, 2015, 20, 72-85.	3.3	27
580	Distance Based Cooperation Region for D2D Pair. , 2015, , .		14
581	Emerging applications, services and engineering for [Guest Editorial]. , 2015, 53, 32-34.		1
582	The Cognitive Interference Channel With a Causal Relay in Very Strong Interference. IEEE Communications Letters, 2015, 19, 593-596.	4.1	0
583	Design of Joint Sparse Graph for OFDM System. IEEE Transactions on Wireless Communications, 2015, 14, 1823-1836.	9.2	35
584	Data-driven analytics for automated cell outage detection in Self-Organizing Networks. , 2015, , .		25
585	Performance analysis of optical burst switching with fast optical switches for data center networks. , 2015, , .		7
586	Smart backhauling and fronthauling for 5G networks: from precoding to network architecture [Guest editorial]. IEEE Wireless Communications, 2015, 22, 10-12.	9.0	4
587	MmWave massive-MIMO-based wireless backhaul for the 5G ultra-dense network. IEEE Wireless Communications, 2015, 22, 13-21.	9.0	339
588	Cloud empowered Cognitive Inter-cell Interference Coordination for small cellular networks. , 2015, , .		10
589	Adaptive Modulation and Coding based error resilience for transmission of compressed video. , 2015, , .		1
590	Analysis of energy efficiency on the cell range expansion for cellular-WLAN heterogeneous network. , 2015, , .		3
591	HOSA. , 2015, , .		18
592	Correction to "Energy Efficiency-Spectral Efficiency Trade-Off of Transmit Antenna Selection" [Dec 14 4293-4303]. IEEE Transactions on Communications, 2015, 63, 3025-3025.	7.8	0
593	Multiuser Detection of Co-Channel Systems Using Combination of Basic Network Coding and HARQ. , 2015, , .		0
594	A data center network featuring low latency and energy efficiency based on all optical core interconnect. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
595	LTE-advanced self-organizing network conflicts and coordination algorithms. IEEE Wireless Communications, 2015, 22, 108-117.	9.0	34
596	On energy efficient inter-frequency small cell discovery in heterogeneous networks. , 2015, , .		7
597	Coverage Gain and Device-to-Device User Density: Stochastic Geometry Modeling and Analysis. IEEE Communications Letters, 2015, 19, 1742-1745.	4.1	30
598	Semi-Persistent RRC Protocol for Machine-Type Communication Devices in LTE Networks. IEEE Access, 2015, 3, 864-874.	4.2	56
599	Emerging applications, services, and engineering for cellular cognitive systems: part II [Guest Editorial]. , 2015, 53, 66-68.		2
600	Insights and Approaches for Low-Complexity 5G Small-Cell Base-Station Design for Indoor Dense Networks. IEEE Access, 2015, 3, 1562-1572.	4.2	38
601	Fuzzy-logic framework for future dynamic cellular systems. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	1
602	Adaptive Anomaly Detection with Kernel Eigenspace Splitting and Merging. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 3-16.	5.7	24
603	A New Cellular-Automata-Based Fractional Frequency Reuse Scheme. IEEE Transactions on Vehicular Technology, 2015, 64, 1535-1547.	6.3	21
604	Hybrid Cognitive Satellite Terrestrial Coverage. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 523-533.	0.3	7
605	Femtocell Collaborative Outage Detection (FCOD) with Built-in Sleeping Mode Recovery (SMR) Technique. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 477-486.	0.3	1
606	On the capacity bounds of K-tier heterogeneous small-cell networks employing aggressive frequency reuse. , 2014, , .		0
607	Energy Efficiency Benefits of RAN-as-a-Service Concept for a Cloud-Based 5G Mobile Network Infrastructure. IEEE Access, 2014, 2, 1586-1597.	4.2	75
608	An integrated approach for future mobile network architecture. , 2014, , .		3
609	Complexity Analysis of Vision Functions for Comparison of Wireless Smart Cameras. International Journal of Distributed Sensor Networks, 2014, 10, 710685.	2.2	5
610	A SON solution for sleeping cell detection using low-dimensional embedding of MDT measurements. , 2014, , .		22
611	Energy harvesting opportunities and applicability in two tier heterogeneous networks. , 2014, , .		1
612	Energy-efficient power allocation for the downlink of a multi-cell multi-user MIMO system with block diagonalization. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
613	A user scheduling scheme for reducing electromagnetic (EM) emission in the uplink of mobile communication systems. , 2014, , .		6
614	Fast convergence and reduced complexity receiver design for LDS-OFDM system. , 2014, , .		7
615	Joint coverage and backhaul self-optimization in emerging relay enhanced heterogeneous networks. , 2014, , .		1
616	Energy Efficiency-Spectral Efficiency Trade-Off of Transmit Antenna Selection. IEEE Transactions on Communications, 2014, 62, 4293-4303.	7.8	19
617	Challenges in 5G: how to empower SON with big data for enabling 5G. IEEE Network, 2014, 28, 27-33.	6.9	364
618	On bounds and capacity of Cognitive Multiple Access Z-Interference Channel. , 2014, , .		1
619	Green Inter-Cluster Interference Management in Uplink of Multi-Cell Processing Systems. IEEE Transactions on Wireless Communications, 2014, 13, 6580-6592.	9.2	11
620	Profiling spatial and temporal behaviour in sensor networks: A case study in energy monitoring. , 2014, , .		7
621	Spectral efficiency improvements in HetNets by exploiting device-to-device communications. , 2014, , .		10
622	On the capacity of the cognitive interference channel with a relay. , 2014, , .		1
623	Ultra wideband in vivo radio channel characterisation and system modeling. , 2014, , .		3
624	Self Organization of Tilts in Relay Enhanced Networks: A Distributed Solution. IEEE Transactions on Wireless Communications, 2014, 13, 764-779.	9.2	25
625	Energy Consumption Analysis and Optimization of BER-Constrained Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 1256-1269.	6.3	32
626	Radio Resource Allocation for Uplink OFDMA Systems With Finite Symbol Alphabet Inputs. IEEE Transactions on Vehicular Technology, 2014, 63, 1917-1921.	6.3	7
627	On the bits per joule optimization in cellular cognitive radio networks. , 2014, , .		1
628	Uplink non-orthogonal multiple access for 5G wireless networks. , 2014, , .		270
629	Heterogeneous Ability-Centered Team Building to aid enquiry based learning in engineering classroom. , 2014, , .		0
630	Achievable rate optimization for coordinated multi-point transmission (CoMP) in cloud-based RAN architecture. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
631	Joint source and relay energy-efficient resource allocation for two-hop MIMO-AF systems. , 2014, , .		1
632	Energy-efficient interference-aware precoding for the downlink of multi-cell multi-user MIMO systems. , 2014, , .		0
633	High quality bio-oil from catalytic flash pyrolysis of lignocellulosic biomass over alumina-supported sodium carbonate. Fuel Processing Technology, 2014, 127, 72-79.	7.2	89
634	On the Cognitive Interference Channel With Causal Unidirectional Destination Cooperation. IEEE Communications Letters, 2014, 18, 1123-1126.	4.1	0
635	Anomaly Detection in Wireless Sensor Networks in a Non-Stationary Environment. IEEE Communications Surveys and Tutorials, 2014, 16, 1413-1432.	39.4	87
636	Energy-Efficiency Analysis and Optimization for Virtual-MIMO Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 2272-2283.	6.3	18
637	Ellipsoidal neighbourhood outlier factor for distributed anomaly detection in resource constrained networks. Pattern Recognition, 2014, 47, 2867-2879.	8.1	34
638	Expanding cellular coverage via cell-edge deployment in heterogeneous networks: spectral efficiency and backhaul power consumption perspectives. , 2014, 52, 140-149.		28
639	A Game Theoretic Approach for Optimizing Density of Remote Radio Heads in User Centric Cloud-Based Radio Access Network. , 2014, , .		0
640	Continuous Time Markov Chain Based Reliability Analysis for Future Cellular Networks. , 2014, , .		0
641	Public-Key Authentication for Cloud-based WBANs. , 2014, , .		3
642	Low complexity subcarrier and power allocation algorithm for uplink OFDMA systems. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	22
643	Green heterogeneous small-cell networks: toward reducing the CO ₂ emissions of mobile communications industry using uplink power adaptation. , 2013, 51, 52-61.		54
644	Energy efficiency of some non-cooperative, cooperative and hybrid communication schemes in multi-relay WSNs. Wireless Networks, 2013, 19, 1769-1781.	3.0	4
645	Localized Algorithm for Segregation of Critical/Non-critical Nodes in Mobile Ad Hoc and Sensor Networks. Procedia Computer Science, 2013, 19, 1167-1172.	2.0	35
646	Energy efficiency in heterogeneous wireless access networks. IEEE Wireless Communications, 2013, 20, 37-43.	9.0	90
647	K-tier heterogeneous small-cell networks: Towards balancing the spectrum usage and power consumption with aggressive frequency reuse. , 2013, , .		1
648	Downlink Energy Efficiency Analysis of Some Multiple Antenna Systems. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
649	Low-power appliance monitoring using Factorial Hidden Markov Models. , 2013, , .		60
650	Energy Efficiency of Transmit Diversity Systems Under a Realistic Power Consumption Model. IEEE Communications Letters, 2013, 17, 119-122.	4.1	20
651	Energy-aware clustering for multi-cell joint transmission in LTE networks. , 2013, , .		10
652	A heuristic energy efficient scheduling scheme for VoIP in 3GPP LTE networks. , 2013, , .		9
653	Online anomaly detection with an incremental centred kernel hypersphere. , 2013, , .		0
654	Individual energy use and feedback in an office setting: A field trial. Energy Policy, 2013, 62, 717-728.	8.8	129
655	Near-optimal energy-efficient joint resource allocation for multi-hop MIMO-AF systems. , 2013, , .		5
656	Energy-efficient resource allocation for orthogonal multi-antenna multi-carrier channel. , 2013, , .		4
657	Advances in base- and mobile-station aided cooperative wireless communications: An overview. IEEE Vehicular Technology Magazine, 2013, 8, 57-69.	3.4	16
658	A Survey of Self Organisation in Future Cellular Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 336-361.	39.4	331
659	On the Energy Efficiency-Spectral Efficiency Trade-Off of Distributed MIMO Systems. IEEE Transactions on Communications, 2013, 61, 3741-3753.	7.8	68
660	On the Relation Between Energy Efficiency and Spectral Efficiency of Multiple-Antenna Systems. IEEE Transactions on Vehicular Technology, 2013, 62, 3463-3469.	6.3	15
661	Frequency planning for clustered jointly processed cellular multiple access channel. IET Communications, 2013, 7, 1739-1752.	2.2	0
662	Ultrawideband Band-Notched Flexible Antenna for Wearable Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1606-1609.	4.0	94
663	Energy and cost analysis of cellular networks under co-channel interference. , 2013, , .		1
664	On the Error Analysis of Fixed-Gain Relay Networks over Composite Multipath/Shadowing Channels. , 2013, , .		5
665	Energy and Spectral Efficient Inter Base Station Relaying in Cellular Systems. , 2013, , .		0
666	Low Complexity Background Subtraction for Wireless Vision Sensor Node. , 2013, , .		8

#	ARTICLE	IF	CITATIONS
667	Energy-efficient dynamic deployment architecture for future cellular systems. , 2013, , .		1
668	Participatory sensing as an enabler for self-organisation in future cellular networks. IOP Conference Series: Materials Science and Engineering, 2013, 51, 012003.	0.6	1
669	Weighted Average Energy Efficiency Contours for Uplink Channels. , 2013, , .		1
670	A Comparison of Generative and Discriminative Appliance Recognition Models for Load Monitoring. IOP Conference Series: Materials Science and Engineering, 2013, 51, 012002.	0.6	1
671	Iterative Slepian-Wolf Decoding and FEC Decoding for Compress-and-Forward Systems. , 2012, , .		0
672	Distributed Load Balancing through Self Organisation of cell size in cellular systems. , 2012, , .		5
673	Flexible power modeling of LTE base stations. , 2012, , .		177
674	On the Energy Efficiency of Hybrid Relaying Schemes in the Two-Way Relay Channel. , 2012, , .		1
675	Online anomaly rate parameter tracking for anomaly detection in wireless sensor networks. , 2012, , .		10
676	Performance evaluation of Low Density Spreading Multiple Access. , 2012, , .		23
677	On the Energy Efficiency-Spectral Efficiency Trade-Off of the 2BS-DMIMO System. , 2012, , .		1
678	A low-complexity precoding scheme for the downlink of multi-cell multi-user MIMO AF system. , 2012, , .		0
679	Determining the energy efficiency of femtocell base stations with multiple antennas. , 2012, , .		0
680	How much energy is needed to run a wireless network?. , 2012, , 359-384.		14
681	Energy Efficiency Contours for Broadcast Channels Using Realistic Power Models. IEEE Transactions on Wireless Communications, 2012, 11, 4017-4025.	9.2	1
682	Semi-Adaptive Beamforming for OFDM Based Hybrid Terrestrial-Satellite Mobile System. IEEE Transactions on Wireless Communications, 2012, 11, 3424-3433.	9.2	28
683	A Very Tight Approximation of the SISO Energy Efficiency-Spectral Efficiency Trade-Off. IEEE Communications Letters, 2012, 16, 850-853.	4.1	2
684	On Receiver Design for Uplink Low Density Signature OFDM (LDS-OFDM). IEEE Transactions on Communications, 2012, 60, 3499-3508.	7.8	82

#	ARTICLE	IF	CITATIONS
685	An interference-aware precoding scheme for the downlink of multi-cell multi-user MIMO communication. , 2012, , .		3
686	Energy-efficiency based resource allocation for the scalar broadcast channel. , 2012, , .		3
687	Energy efficiency of amplify-and-forward, repetition coding and parallel coding in short range communications. , 2012, , .		3
688	Acoustic and device feature fusion for load recognition. , 2012, , .		10
689	Implementation of Wireless Vision Sensor Node for Characterization of Particles in Fluids. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1634-1643.	8.3	17
690	Architecture of wireless Visual Sensor Node with Region of Interest coding. , 2012, , .		5
691	Hybrid transmission schemes for grouped users in cellular systems. , 2012, , .		0
692	Fairness evaluation in cooperative hybrid cellular systems. , 2012, , .		0
693	Low Density Spreading for next generation multicarrier cellular systems. , 2012, , .		18
694	Energy Efficiency and Optimal Power Allocation in Virtual-MIMO Systems. , 2012, , .		14
695	Energy efficiency contours for amplify-and-forward and decode-and-forward cooperative protocols. , 2012, , .		5
696	Energy-Efficiency Based Resource Allocation for the Orthogonal Multi-User Channel. , 2012, , .		11
697	Non-Intrusive Load Monitoring Approaches for Disaggregated Energy Sensing: A Survey. Sensors, 2012, 12, 16838-16866.	3.8	801
698	Energy-Efficient Power Allocation for Point-to-Point MIMO Systems over the Rayleigh Fading Channel. IEEE Wireless Communications Letters, 2012, 1, 304-307.	5.0	12
699	On the Energy Efficiency-Spectral Efficiency Trade-Off in the Uplink of CoMP System. IEEE Transactions on Wireless Communications, 2012, 11, 556-561.	9.2	79
700	Controlling self healing cellular networks using fuzzy logic. , 2012, , .		25
701	Architecture Exploration Based on Tasks Partitioning Between Hardware, Software and Locality for a Wireless Vision Sensor Node. International Journal of Distributed Systems and Technologies, 2012, 3, 58-71.	0.7	4
702	Low Density Spreading Multiple Access. Journal of Information Technology & Software Engineering, 2012, 02, .	0.3	3

#	ARTICLE	IF	CITATIONS
703	On the Energy Efficiency-Spectral Efficiency Trade-off over the MIMO Rayleigh Fading Channel. IEEE Transactions on Communications, 2012, 60, 1345-1356.	7.8	120
704	Average Energy Efficiency Contours for Single Carrier AWGN MAC. , 2011, , .		3
705	Energy Aware Transmission in Cellular Uplink with Clustered Base Station Cooperation. , 2011, , .		2
706	Energy and Spectrum Efficient Systems with Adaptive Modulation and Spectrum Sharing for Cellular Systems. , 2011, , .		0
707	An Accurate Closed-Form Approximation of the Energy Efficiency-Spectral Efficiency Trade-Off over the MIMO Rayleigh Fading Channel. , 2011, , .		12
708	Energy efficiency analysis of in-building MIMO AF communication. , 2011, , .		4
709	Eigenvalue Ratio Detection Based On Exact Moments of Smallest and Largest Eigenvalues. , 2011, , .		4
710	Cellular Energy Efficiency Evaluation Framework. , 2011, , .		162
711	Hybrid spectrum allocation scheme in wireless cellular networks. , 2011, , .		0
712	Exploration of Tasks Partitioning between Hardware Software and Locality for a Wireless Camera Based Vision Sensor Node. , 2011, , .		17
713	H2-ARQ-Relaying: Spectrum and Energy Efficiency Perspectives. IEEE Journal on Selected Areas in Communications, 2011, 29, 1547-1558.	14.0	17
714	Energy Efficiency Contours for Single-Carrier Downlink Channels. IEEE Communications Letters, 2011, 15, 1307-1309.	4.1	8
715	Relay Station Access Link Spectral Efficiency Optimization Through SO of Macro BS Tilts. IEEE Communications Letters, 2011, 15, 1326-1328.	4.1	12
716	How much energy is needed to run a wireless network?. IEEE Wireless Communications, 2011, 18, 40-49.	9.0	1,269
717	EXIT chart analysis for turbo LDS-OFDM receivers. , 2011, , .		9
718	On Achievable Rate Region of Multiple Coordinated Multiple Access Channels. , 2011, , .		0
719	Alamouti Transmit Diversity for Energy Efficient Femtocells. , 2011, , .		2
720	Energy Efficiency Analysis of Idealized Coordinated Multi-Point Communication System. , 2011, , .		20

#	ARTICLE	IF	CITATIONS
721	Trade-off between Energy Efficiency and Spectral Efficiency in the uplink of a linear cellular system with uniformly distributed user terminals. , 2011, , .		0
722	The Energy Efficiency Analysis of HARQ in Hybrid Relaying Systems. , 2011, , .		4
723	Subcarrier and Power Allocation for LDS-OFDM System. , 2011, , .		22
724	Spatial Correlation Analysis of On-Body Radio Channels Considering Statistical Significance. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 780-783.	4.0	19
725	Energy-aware adaptive sectorisation in LTE systems. , 2011, , .		8
726	Distributed spectral efficiency optimization at hotspots through self organisation of BS tilts. , 2011, , .		7
727	A SELF-ORGANIZED RESOURCE ALLOCATION USING INTER-CELL INTERFERENCE COORDINATION (ICIC) IN RELAY-ASSISTED CELLULAR NETWORKS. ICTACT Journal on Communication Technology, 2011, 02, 300-313.	4.5	9
728	Information theoretic capacity of cellular multiple access channel with shadow fading. IEEE Transactions on Communications, 2010, 58, 1468-1476.	7.8	14
729	Collaborative Spectrum Sensing Optimisation Algorithms for Cognitive Radio Networks. International Journal of Digital Multimedia Broadcasting, 2010, 2010, 1-20.	0.6	46
730	Multicell LMMSE Filtering Capacity under Correlated Multiple BS Antennas. , 2010, , .		0
731	Optimization of uplink sum-rate for bin based clustered cellular system using a genetic algorithm. , 2010, , .		2
732	Exploration of target architecture for a wireless camera based sensor node. , 2010, , .		18
733	Ground Based and Onboard Based Beamforming for Hybrid Terrestrial-Satellite Mobile System. , 2010, , .		4
734	Preamble based Adaptive Beamformer for Hybrid Terrestrial-Satellite Mobile System. , 2010, , .		1
735	On the energy aware deployment strategy in cellular systems. , 2010, , .		13
736	Enablers for Energy Efficient Wireless Networks. , 2010, , .		31
737	Frequency planning of clustered cellular network using Particle Swarm Optimization. , 2010, , .		0
738	Cell based fair resource allocation in fixed clustered cellular systems using a genetic algorithm. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
739	Capacity Limits of Base Station Cooperation in Cellular Networks. , 2010, , 102-132.		0
740	Uplink Capacity with Correlated Lognormal Shadow Fading. , 2009, , .		3
741	EARTH — Energy Aware Radio and Network Technologies. , 2009, , .		110
742	Reduced-complexity multicell decoding systems with multiple antennas at the base station. , 2009, , .		1
743	Uplink capacity of a variable density cellular system with multicell processing. IEEE Transactions on Communications, 2009, 57, 2098-2108.	7.8	17
744	On the multicell processing capacity of the cellular MIMO uplink channel in correlated rayleigh fading environment. IEEE Transactions on Wireless Communications, 2009, 8, 3704-3715.	9.2	78
745	OFDM based adaptive beamforming for hybrid terrestrial-satellite mobile system with pilot reallocation. , 2009, , .		7
746	On the Ergodic Capacity of the Wideband MIMO Channel. , 2009, , .		3
747	Capacity Limits in Cooperative Cellular Systems. Wireless Networks and Mobile Communications, 2009, , .	1.0	4
748	Transmit power formulation for relay-enhanced UMTS using simulation and theory. , 2008, , .		1
749	On the Capacity of Variable Density Cellular Systems under Multicell Decoding. IEEE Communications Letters, 2008, 12, 496-498.	4.1	28
750	The effect of user distribution on a linear Cellular Multiple-Access Channel. , 2008, , .		5
751	Optimal information theoretic capacity of the planar cellular uplink channel. , 2008, , .		13
752	Information Theoretic Uplink Capacity of the Linear Cellular Array. , 2008, , .		1
753	Uplink Coverage-Capacity Estimation Using Analysis and Simulation. , 2008, , .		2
754	Spectral efficiency of variable density cellular systems with realistic system models. , 2008, , .		1
755	Analyzing uplink capacity of partially overlapping channel based WLANs using a hyper-receiver. , 2008, , .		0
756	Uplink capacity of MIMO cellular systems with multicell processing. , 2008, , .		7

#	ARTICLE	IF	CITATIONS
757	Analysing a Multi-hop UMTS over Multiple Frequency Schemes and an Urban Environment. Journal of Networks, 2008, 3, .	0.4	1
758	Impact of orthogonality factor on umts capacity simulation. , 2007, , .		1
759	Towards Optimal Fault Tolerant Scheduling in Computational Grid. , 2007, , .		6
760	Component Based Proactive Fault Tolerant Scheduling in Computational Grid. , 2007, , .		4
761	Self-organized ICIC for SCN. , 0, , 393-424.		0
762	Mobile Technologies for Managing Non-Communicable Diseases in Developing Countries. Advances in Wireless Technologies and Telecommunication Book Series, 0, , 261-287.	0.4	11
763	Outcome-based (Engineering) Education (OBE): International Accreditation Practices. , 0, , .		4
764	Leveraging the Force of Formative Assessment and Feedback for Effective Engineering Education. , 0, , .		5