

# Ali Imran

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7451153/ali-imran-publications-by-year.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

671 papers	12,067 citations	51 h-index	91 g-index
807 ext. papers	16,329 ext. citations	4.8 avg, IF	7.26 L-index

#	Paper	IF	Citations
671	Interpretable AI-based Large-scale 3D Pathloss Prediction Model for enabling Emerging Self-Driving Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2022</b> , 1-1	4.6	1
670	Joint Precoding and Pre-equalization for Faster-Than-Nyquist Transmission over Multipath Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	0
669	Performance of Reconfigurable Intelligent Surfaces in the Presence of Generalized Gaussian Noise. <i>IEEE Communications Letters</i> , <b>2022</b> , 1-1	3.8	0
668	Multiple Participants' Discrete Activity Recognition in a Well-Controlled Environment Using Universal Software Radio Peripheral Wireless Sensing.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	1
667	Machine learning empowered COVID-19 patient monitoring using non-contact sensing: An extensive review.. <i>Journal of Pharmaceutical Analysis</i> , <b>2022</b> ,	14	3
666	Two-Dimensional Materials for Future Terahertz Wireless Communications. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2022</b> , 3, 217-228	1.9	4
665	Challenges, Applications and Future of Wireless Sensors in Internet of Things: A Review. <i>IEEE Sensors Journal</i> , <b>2022</b> , 1-1	4	12
664	Novel Privacy Preserving Non-Invasive Sensing-Based Diagnoses of Pneumonia Disease Leveraging Deep Network Model.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	1
663	Detecting Alzheimer's Disease Using Machine Learning Methods. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2022</b> , 89-100	0.2	0
662	Comparing the Performance of Different Classifiers for Posture Detection. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2022</b> , 210-218	0.2	
661	Wireless Sensing for Human Activity Recognition Using USRP. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2022</b> , 52-62	0.2	
660	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> , <b>2022</b> , 15-27	0.2	
659	Bespoke Simulator for Human Activity Classification with Bistatic Radar. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2022</b> , 71-85	0.2	
658	Non-Contact Smart Sensing of Physical Activities during Quarantine Period Using SDR Technology.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	1
657	A lightweight cell switching and traffic offloading scheme for energy optimization in ultra-dense heterogeneous networks. <i>Physical Communication</i> , <b>2022</b> , 101643	2.2	1
656	Solar Irradiance Forecasting Using a Data-Driven Algorithm and Contextual Optimisation. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 134	2.6	5
655	Service Level Agreements for 5G-Enabled Healthcare Systems: Challenges and Considerations.. <i>IEEE Network</i> , <b>2022</b> , 36, 181-188	11.4	0

654	Machine learning enabled identification and real-time prediction of living plants stress using terahertz waves. <i>Defence Technology</i> , <b>2022</b> ,	3	3
653	IoT Based Fall Detection System for Elderly Healthcare. <i>Studies in Computational Intelligence</i> , <b>2022</b> , 209-232	3.2	0
652	A Survey on LPWAN-5G Integration: Main Challenges and Potential Solutions. <i>IEEE Access</i> , <b>2022</b> , 10, 32132-32149	3.5	0
651	A Data-Driven Self-Optimization Solution for Inter-Frequency Mobility Parameters in Emerging Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2022</b> , 1-1	6.6	2
650	A Data Driven Framework for Inter-Frequency Handover Failure Prediction and Mitigation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	1
649	Non-Invasive Localisation Using Software-Defined Radios. <i>IEEE Sensors Journal</i> , <b>2022</b> , 1-1	4	0
648	Interference Mitigation in D2D Communication Underlying LTE-A Network <b>2022</b> , 13-47		0
647	Millimeter-Wave Smart Antenna Solutions for URLLC in Industry 4.0 and Beyond.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	5
646	Terahertz Metastructures for Noninvasive Biomedical Sensing and Characterization in Future Health Care [Bioelectromagnetics]. <i>IEEE Antennas and Propagation Magazine</i> , <b>2022</b> , 64, 60-70	1.7	2
645	An Intelligent Cluster-Based Routing Scheme in 5G Flying Ad Hoc Networks. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 3665	2.6	2
644	Federated learning empowered mobility-aware proactive content offloading framework for fog radio access networks. <i>Future Generation Computer Systems</i> , <b>2022</b> , 133, 307-319	7.5	1
643	Design Considerations and Deployment Challenges for TurboRAN 5G and Beyond Testbed. <i>IEEE Access</i> , <b>2022</b> , 10, 39810-39824	3.5	
642	An Adaptive Diagonal Loading Technique to Improve Direction of Arrival Estimation Accuracy for Linear Antenna Array Sensors. <i>IEEE Sensors Journal</i> , <b>2022</b> , 1-1	4	1
641	Intelligent Handover Algorithm for Vehicle-to-Network Communications with Double-Deep Q-Learning. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	
640	Revenue Maximization Through Cell Switching and Spectrum Leasing in 5G HetNets. <i>IEEE Access</i> , <b>2022</b> , 10, 48301-48317	3.5	
639	Machine learning-assisted direction-of-arrival accuracy enhancement technique using oversized lens-loaded cavity. <i>IET Microwaves, Antennas and Propagation</i> , <b>2022</b> , 16, 305-315	1.6	
638	Current Sheet Antenna Array and 5G: Challenges, Recent Trends, Developments, and Future Directions.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	1
637	Assessing Deep Generative Models on Time Series Network Data. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0

- 636 The Role and Applications of Machine Learning in Future Self-Organizing Cellular Networks **2022**, 1494-1516
- 635 Aerial Base Station Assisted Cellular Communication: Performance and Trade-Off. *IEEE Transactions on Network Science and Engineering*, **2021**, 8, 2765-2779 4.9 0
- 634 Performance Analysis on Wireless Blockchain IoT System **2021**, 179-199 2
- 633 Blockchain-Driven Internet of Things **2021**, 93-115
- 632 A Low Communication Complexity Double-layer PBFT Consensus **2021**, 73-92 0
- 631 Blockchain-enabled COVID-19 Contact Tracing Solutions **2021**, 225-243 1
- 630 What is Blockchain Radio Access Network?\* **2021**, 1-25 0
- 629 Machine Learning Enabled Food Contamination Detection Using RFID and Internet of Things System. *Journal of Sensor and Actuator Networks*, **2021**, 10, 63 3.8 2
- 628 Wireless Infrastructure in the Transportation Market and the Challenges. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 5-22 0.4
- 627 State-of-the-Art Antenna System. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 23-30 0.4
- 626 Designing the Smart Antenna System. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 31-41 0.4 0
- 625 Antenna Array Prototyping and Experimental Evaluation. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 43-52 0.4
- 624 Evaluation of the 360° Antenna Systems. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 53-60 0.4
- 623 Windowed OFDM for Mixed-Numerology 5G and Beyond Systems **2021**, 43-61
- 622 Access Control and Handoff Policy Design for RAN Slicing **2021**, 167-187 1
- 621 A Zero-Touch Network Service Management Approach Using AI-Enabled CDR Analysis. *IEEE Access*, **2021**, 9, 157699-157714 3.5 1
- 620 Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. *Sustainability*, **2021**, 13, 12506 3.6 14
- 619 IMPRESS: Indoor Mobility Prediction Framework for Pre-Emptive Indoor-Outdoor Handover for mmWave Networks. *IEEE Open Journal of the Communications Society*, **2021**, 1-1 6.7 1

618	Joint Communication and Control for mmWave/THz Beam Alignment in V2X Networks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	1
617	Study of electro-osmotic nanofluid transport for scraped surface heat exchanger with heat transfer phenomenon. <i>Thermal Science</i> , <b>2021</b> , 25, 213-218	1.2	0
616	LiFi Through Reconfigurable Intelligent Surfaces: A New Frontier for 6G?. <i>IEEE Vehicular Technology Magazine</i> , <b>2021</b> , 2-11	9.9	11
615	5G-Enabled Education 4.0: Enabling Technologies, Challenges, and Solutions. <i>IEEE Access</i> , <b>2021</b> , 9, 166963-166969	3.5	166969
614	Investigation of electroosmosis flow of copper nanoparticles with heat transfer due to metachronal rhythm. <i>Thermal Science</i> , <b>2021</b> , 25, 193-198	1.2	0
613	Battery Recharging Time Models for Reconfigurable Intelligent Surfaces-Assisted Wireless Power Transfer Systems. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2021</b> , 1-1	4	5
612	New Adaptive Surrogate-Based Approach Combined Swarm Optimizer Assisted Less Tuning Cost of Dynamic Production-Inventory Control System. <i>IEEE Access</i> , <b>2021</b> , 9, 144054-144066	3.5	0
611	Energy Harvesting and Power Management for IoT Devices in the 5G Era. <i>IEEE Communications Magazine</i> , <b>2021</b> , 59, 91-97	9.1	2
610	Link and stability-aware adaptive cooperative routing with restricted packets transmission and void-avoidance for underwater acoustic wireless sensor networks. <i>Computer Communications</i> , <b>2021</b> , 181, 428-428	5.1	1
609	A novel mathematical modeling with solution for movement of fluid through ciliary caused metachronal waves in a channel. <i>Scientific Reports</i> , <b>2021</b> , 11, 20601	4.9	3
608	Identifying the Lack of Energy-Conscious Behaviour in Clinical and Non-Clinical Settings: An NHS Case Study. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2468	2.6	1
607	A Bra Monitoring System Using a Miniaturized Wearable Ultra-Wideband MIMO Antenna for Breast Cancer Imaging. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2563	2.6	5
606	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> , <b>2021</b> , 10, 2501	2.6	4
605	Trends in Intelligent Communication Systems: Review of Standards, Major Research Projects, and Identification of Research Gaps. <i>Journal of Sensor and Actuator Networks</i> , <b>2021</b> , 10, 60	3.8	3
604	Machine learning in vehicular networking: An overview. <i>Digital Communications and Networks</i> , <b>2021</b> , 8, 18-18	5.9	4
603	Optimising Electrical Power Supply Sustainability Using a Grid-Connected Hybrid Renewable Energy System: An NHS Hospital Case Study. <i>Energies</i> , <b>2021</b> , 14, 7084	3.1	1
602	Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	15
601	DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 9457-9464	4	19

600	Compact Elliptical UWB Antenna for Underwater Wireless Communications. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	4
599	Intelligent Reflective Surfaces [State of the Art <b>2021</b> , 1-18		1
598	Passive UHF RFID Tag Antennas-Based Sensing for Internet of Things Paradigm <b>2021</b> , 133-155		0
597	RF Sensing for Healthcare Applications <b>2021</b> , 157-177		4
596	Design and Evaluation of a Flexible Dual-Band Meander Line Monopole Antenna for On- and Off-Body Healthcare Applications. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	4
595	Network slicing: a next generation 5G perspective. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2021</b> , 2021,	3.2	8
594	An Efficient Method for Complex Antenna Design Based on a Self Adaptive Surrogate Model-Assisted Optimization Technique. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 2302-2315	4.9	13
593	Microwave Imaging of Breast Skin Utilizing Elliptical UWB Antenna and Reverse Problems Algorithm. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	1
592	Network Slicing for Beyond 5G Systems: An Overview of the Smart Port Use Case. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1090	2.6	2
591	Design of Portable Exoskeleton Forearm for Rehabilitation of Monoparesis Patients Using Tendon Flexion Sensing Mechanism for Health Care Applications. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1279	2.6	2
590	A Scalable Multi-Layer PBFT Consensus for Blockchain. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2021</b> , 32, 1146-1160	3.7	43
589	Radio & BH Load-Aware Multi-Objective Clustering in Multi-Cell MIMO Cooperative Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 4585-4600	6.8	
588	Radar Sensing for Activity Classification in Elderly People Exploiting Micro-Doppler Signatures Using Machine Learning. <i>Sensors</i> , <b>2021</b> , 21,	3.8	8
587	Energy Optimization in Ultra-Dense Radio Access Networks via Traffic-Aware Cell Switching. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2021</b> , 5, 832-845	4	4
586	6G Opportunities Arising from Internet of Things Use Cases: A Review Paper. <i>Future Internet</i> , <b>2021</b> , 13, 159	3.3	11
585	Public Perception of the Fifth Generation of Cellular Networks (5G) on Social Media. <i>Frontiers in Big Data</i> , <b>2021</b> , 4, 640868	2.8	3
584	RF Sensing Based Breathing Patterns Detection Leveraging USRP Devices. <i>Sensors</i> , <b>2021</b> , 21,	3.8	5
583	Low-Dimensional Subspace Estimation of Continuous-Doppler-Spread Channel in OTFS Systems. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 4717-4731	6.9	7

582	Uniform Magnetic Field Characteristics Based UHF RFID Tag for Internet of Things Applications. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1603	2.6	4
581	A Cooperative Multiagent Approach for Optimal Drone Deployment Using Reinforcement Learning <b>2021</b> , 47-72		
580	A Review on the State of the Art in Atrial Fibrillation Detection Enabled by Machine Learning. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2021</b> , 14, 219-239	6.4	14
579	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 891-902	11.9	38
578	Rate-Latency Optimization for NB-IoT With Adaptive Resource Unit Configuration in Uplink Transmission. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 265-276	4.3	5
577	A Cooperative Massive MIMO System for Future In Vivo Nanonetworks. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 331-337	4.3	3
576	A Fast Blocking Matrix Generating Algorithm for Generalized Sidelobe Canceller Beamformer in High Speed Rail Like Scenario. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 15775-15783	4	3
575	Joint admission control, cell association, power allocation and throughput maximization in decoupled 5G heterogeneous networks. <i>Telecommunication Systems</i> , <b>2021</b> , 76, 115-128	2.3	7
574	Effect of core corrugation angle on static compression of self-reinforced PP sandwich panels and bending energy absorption of sandwich beams. <i>Journal of Composite Materials</i> , <b>2021</b> , 55, 897-914	2.7	2
573	Toward Convergence of AI and IoT for Energy-Efficient Communication in Smart Homes. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 9664-9671	10.7	11
572	Machine Learning for Decision Making in Healthcare <b>2021</b> , 95-115		
571	Intelligent IoT Framework for Indoor Healthcare Monitoring of Parkinson's Disease Patient. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 39, 593-602	14.2	9
570	BeepTrace: Blockchain-Enabled Privacy-Preserving Contact Tracing for COVID-19 Pandemic and Beyond. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 3915-3929	10.7	72
569	Privacy-Preserving Wandering Behavior Sensing in Dementia Patients Using Modified Logistic and Dynamic Newton-Leipnik Maps. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 3669-3679	4	20
568	Effective age of information in real-time wireless feedback control systems. <i>Science China Information Sciences</i> , <b>2021</b> , 64, 1	3.4	1
567	A multiband circular polarization selective metasurface for microwave applications. <i>Scientific Reports</i> , <b>2021</b> , 11, 1774	4.9	6
566	Employing Industrial Quality Management Systems for Quality Assurance in Outcome-Based Engineering Education: A Review. <i>Education Sciences</i> , <b>2021</b> , 11, 45	2.2	2
565	. <i>IEEE Access</i> , <b>2021</b> , 9, 45770-45802	3.5	9



564	Simulation of Crystalline Silicon Photovoltaic Cells for Wearable Applications. <i>IEEE Access</i> , <b>2021</b> , 9, 20868-20877	3.5	7
563	. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2021</b> , 1-1	4	4
562	. <i>IEEE Open Journal of the Communications Society</i> , <b>2021</b> , 2, 1710-1720	6.7	1
561	How Much Communication Resource is Needed to Run a Wireless Blockchain Network?. <i>IEEE Network</i> , <b>2021</b> , 1-8	11.4	7
560	DRX-based energy-efficient supervised machine learning algorithm for mobile communication networks. <i>IET Communications</i> , <b>2021</b> , 15, 1000-1013	1.3	5
559	Non-Invasive RF Sensing for Detecting Breathing Abnormalities Using Software Defined Radios. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 5111-5118	4	7
558	High Gain Triple-Band Metamaterial-Based Antipodal Vivaldi MIMO Antenna for 5G Communications. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	3
557	Low-Complexity Symbol Detection and Interference Cancellation for OTFS System. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 1524-1537	6.9	14
556	Looking Back: Reviewing the Challenges of Policy Development During the COVID-19 Pandemic for a TNE Partnership in Higher Education. <i>Frontiers in Education</i> , <b>2021</b> , 6,	2.1	1
555	F-Classify: Fuzzy Rule Based Classification Method for Privacy Preservation of Multiple Sensitive Attributes. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
554	. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 5546-5558	6.9	5
553	Feasibility study of 28GHz and 38GHz millimeter-wave technologies for fog radio access networks using multi-slope path loss model. <i>Physical Communication</i> , <b>2021</b> , 47, 101401	2.2	4
552	Is blockchain for Internet of Medical Things a panacea for COVID-19 pandemic?. <i>Pervasive and Mobile Computing</i> , <b>2021</b> , 75, 101434	3.5	10
551	Suitability of NB-IoT for Indoor Industrial Environment: A Survey and Insights. <i>Sensors</i> , <b>2021</b> , 21,	3.8	8
550	Contactless Small-Scale Movement Monitoring System Using Software Defined Radio for Early Diagnosis of COVID-19. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 17180-17188	4	15
549	Software-defined networks for resource allocation in cloud computing: A survey. <i>Computer Networks</i> , <b>2021</b> , 195, 108151	5.4	8
548	On the effective capacity of IRS-assisted wireless communication. <i>Physical Communication</i> , <b>2021</b> , 47, 101339	2.2	4
547	Designing a Wind Energy Harvester for Connected Vehicles in Green Cities. <i>Energies</i> , <b>2021</b> , 14, 5408	3.1	16



546	5G-enabled contactless multi-user presence and activity detection for independent assisted living. <i>Scientific Reports</i> , <b>2021</b> , 11, 17590	4.9	3
545	Discrete Human Activity Recognition and Fall Detection by Combining FMCW RADAR Data of Heterogeneous Environments for Independent Assistive Living. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2237	2.6	8
544	Infrared Sensing Based Non-Invasive Initial Diagnosis of Chronic Liver Disease Using Ensemble Learning. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 19395-19406	4	4
543	Wireless Channel Modelling for Identifying Six Types of Respiratory Patterns With SDR Sensing and Deep Multilayer Perceptron. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 20833-20840	4	5
542	A multifunctional ultrathin flexible bianisotropic metasurface with miniaturized cell size. <i>Scientific Reports</i> , <b>2021</b> , 11, 18426	4.9	2
541	Impact of Inter-Gateway Distance on LoRaWAN Performance. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2197	2.6	1
540	Making assembly line in supply chain robust and secure using UHF RFID. <i>Scientific Reports</i> , <b>2021</b> , 11, 18041	9	8
539	Friendly-jamming schemes to secure ultra-reliable and low-latency communications in 5G and beyond communications. <i>Computer Standards and Interfaces</i> , <b>2021</b> , 78, 103540	3.5	1
538	Entropy Field Decomposition Based Outage Detection for Ultra-Dense Networks. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	0
537	Portable UWB RADAR Sensing System for Transforming Subtle Chest Movement into Actionable Micro-Doppler Signatures to Extract Respiratory Rate Exploiting ResNet Algorithm. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	2
536	An Ultrawideband Microfabricated Gold-based Antenna Array for Terahertz Communication. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	6
535	Service Level Agreements for 5G and Beyond: Overview, Challenges and Enablers of 5G-Healthcare Systems.. <i>IEEE Access</i> , <b>2021</b> , 9, 1044-1061	3.5	8
534	Blockchain-empowered Federated Learning Approach for An Intelligent and Reliable D2D Caching Scheme. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	3
533	A Miniaturized Series Fed Tri-Slot Coplanar Vivaldi Antenna for RADAR Application With Reduced Ground Plane Effect. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2021</b> , 2, 949-953	1.9	
532	Machine Learning Techniques for 5G and Beyond. <i>IEEE Access</i> , <b>2021</b> , 9, 23472-23488	3.5	32
531	Contactless Radar Sensing for Health Monitoring		2
530	Embracing Complexity: Agent-Based Modeling for HetNets Design and Optimization via Concurrent Reinforcement Learning Algorithms. <i>IEEE Transactions on Network and Service Management</i> , <b>2021</b> , 18, 4042-4062	4.8	2
529	Design and development of a multi-functional bi-anisotropic metasurface with ultra-wide out of band transmission.. <i>Scientific Reports</i> , <b>2021</b> , 11, 24244	4.9	0

528	Wireless on Walls: Revolutionizing the Future of Health Care. <i>IEEE Antennas and Propagation Magazine</i> , <b>2020</b> , 0-0	1.7	2
527	Grand Challenges in IoT and Sensor Networks. <i>Frontiers in Communications and Networks</i> , <b>2020</b> , 1,	3.3	9
526	Federated Machine Learning in Vehicular Networks: A summary of Recent Applications <b>2020</b> ,		13
525	Robust simulation-optimization of dynamic-stochastic production/inventory control system under uncertainty using computational intelligence. <i>Uncertain Supply Chain Management</i> , <b>2020</b> , 633-648	1.1	2
524	Energy Optimisation through Path Selection for Underwater Wireless Sensor Networks <b>2020</b> ,		2
523	An Intelligent Non-Invasive Real-Time Human Activity Recognition System for Next-Generation Healthcare. <i>Sensors</i> , <b>2020</b> , 20,	3.8	54
522	Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. <i>IEEE Communications Surveys and Tutorials</i> , <b>2020</b> , 22, 1761-1804	37.1	94
521	Mixed-Numerology Signals Transmission and Interference Cancellation for Radio Access Network Slicing. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 5132-5147	9.6	3
520	Mobility Prediction-Based Optimisation and Encryption of Passenger Traffic-Flows Using Machine Learning. <i>Sensors</i> , <b>2020</b> , 20,	3.8	5
519	Seamless Indoor/Outdoor Coverage in 5G <b>2020</b> , 1-23		0
518	An Overview of Machine Learning Applied in Wireless UAV Networks <b>2020</b> , 1-15		2
517	. <i>IEEE Access</i> , <b>2020</b> , 8, 82938-82950	3.5	9
516	Intelligent handover decision scheme using double deep reinforcement learning. <i>Physical Communication</i> , <b>2020</b> , 42, 101133	2.2	14
515	. <i>IEEE Transactions on Mobile Computing</i> , <b>2020</b> , 1-1	4.6	17
514	Planar Pyramid Shaped UHF RFID Tag Antenna With Polarisation Diversity for IoT Applications Using Characteristics Mode Analysis. <i>IEEE Access</i> , <b>2020</b> , 8, 103684-103696	3.5	6
513	Robust and Efficient Integrated Antenna With EBG-DGS Enabled Wide Bandwidth for Wearable Medical Device Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 56346-56358	3.5	19
512	. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 2520-2531	4.3	1
511	Incremental Composition Process for the Construction of Component-Based Management Systems. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2

510	Securing Internet of Medical Things with Friendly-jamming schemes. <i>Computer Communications</i> , <b>2020</b> , 160, 431-442	5.1	26
509	Energy Efficiency Maximization in Green Energy Aided Heterogeneous Cloud Radio Access Networks <b>2020</b> ,		1
508	Resource Allocation and Throughput Maximization for IoT Real-time Applications <b>2020</b> ,		2
507	Establishing effective communications in disaster affected areas and artificial intelligence based detection using social media platform. <i>Future Generation Computer Systems</i> , <b>2020</b> , 112, 1057-1069	7.5	17
506	AI4COVID-19: AI enabled preliminary diagnosis for COVID-19 from cough samples via an app. <i>Informatics in Medicine Unlocked</i> , <b>2020</b> , 20, 100378	5.3	220
505	Sensor Fusion for Identification of Freezing of Gait Episodes Using Wi-Fi and Radar Imaging. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 14410-14422	4	16
504	An Application Development Framework for Internet-of-Things Service Orchestration. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 4543-4556	10.7	16
503	IEEE Access Special Section: Deployment and Management of Small Heterogeneous Cells for 5G. <i>IEEE Access</i> , <b>2020</b> , 8, 19406-19409	3.5	1
502	. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2020</b> , 4, 387-403	4	6
501	Interference Alignment for One-Hop and Two-Hops MIMO Systems With Uncoordinated Interference. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 902-914	6.9	1
500	Survey and taxonomy of clustering algorithms in 5G. <i>Journal of Network and Computer Applications</i> , <b>2020</b> , 154, 102539	7.9	13
499	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 3370-3383	6.8	5
498	Unmanned aerial vehicle for internet of everything: Opportunities and challenges. <i>Computer Communications</i> , <b>2020</b> , 155, 66-83	5.1	60
497	Teaching Embedded Systems for Energy Harvesting Applications: A Comparison of Teaching Methods Adopted in UESTC and KTH. <i>IEEE Access</i> , <b>2020</b> , 8, 50780-50791	3.5	2
496	Statistical Modelling of Dynamic Interference Threshold and Its Effect on Network Capacity. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 5102-5114	6.8	2
495	Ultra-wideband Hybrid PICA Terahertz Antenna for High-Resolution Biomedical Imaging <b>2020</b> ,		2
494	IoT Enabled Smart Fertilization and Irrigation Aid for Agricultural Purposes <b>2020</b> ,		2
493	Internet of Things (IoT) Enabled Smart Indoor Air Quality Monitoring System <b>2020</b> ,		8

492	A Zero Placement Algorithm for Synthesis of Flat Top Beam Pattern With Low Sidelobe Level. <i>IEEE Access</i> , <b>2020</b> , 8, 225935-225944	3.5	1
491	Software Defined Radio Based Testbed for Large Scale Body Movements <b>2020</b> ,		2
490	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242613	3.7	1
489	Engineering Education, Moving into 2020s : Essential Competencies for Effective 21st Century Electrical & Computer Engineers <b>2020</b> ,		2
488	The 3-D flow of Casson nanofluid over a stretched sheet with chemical reactions, velocity slip, thermal radiation and Brownian motion. <i>Thermal Science</i> , <b>2020</b> , 24, 2929-2939	1.2	35
487	A numerical approach for two-dimensional Sutterby fluid flow bounded at a stagnation point with an inclined magnetic field and thermal radiation impacts. <i>Thermal Science</i> , <b>2020</b> , 186-186	1.2	19
486	Internet of Things (IoT) enabled Smart Home Safety Barrier System <b>2020</b> ,		2
485	Internet of Things (IoT) for Healthcare Application <b>2020</b> ,		3
484	Blockchain-enabled resource management and sharing for 6G communications. <i>Digital Communications and Networks</i> , <b>2020</b> , 6, 261-269	5.9	46
483	Leveraging mobility and content caching for proactive load balancing in heterogeneous cellular networks. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2020</b> , 31, e3739	1.9	7
482	. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , <b>2020</b> , 4, 148-155	2.8	5
481	Machine Learning Driven Approach Towards the Quality Assessment of Fresh Fruits Using Non-Invasive Sensing. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 2075-2083	4	29
480	Anomaly Detection and Self-healing in Industrial Wireless Networks <b>2020</b> , 109-139		
479	A Non-Event Based Approach for Non-Intrusive Load Monitoring <b>2020</b> , 173-191		1
478	Deep learning and big data technologies for IoT security. <i>Computer Communications</i> , <b>2020</b> , 151, 495-517	5.1	108
477	Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 4891-4900	4	13
476	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 4986-4996	11.9	12
475	. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 2426-2437	6.9	4

474	A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 2659-2670	6.8	8
473	Application of Terahertz Sensing at Nano-Scale for Precision Agriculture <b>2020</b> , 241-257		2
472	Dynamic Communication QoS Design for Real-Time Wireless Control Systems. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 3005-3015	4	10
471	Machine Learning in Energy Efficiency Optimization <b>2020</b> , 105-117		6
470	. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2020</b> , 4, 246-262	4	5
469	Recent Advances of Wearable Antennas in Materials, Fabrication Methods, Designs, and Their Applications: State-of-the-Art. <i>Micromachines</i> , <b>2020</b> , 11,	3.3	20
468	A Review of the State of the Art in Non-Contact Sensing for COVID-19. <i>Sensors</i> , <b>2020</b> , 20,	3.8	24
467	Interference Spreading through Random Subcarrier Allocation Technique and Its Error Rate Performance in Cognitive Radio Networks. <i>Sensors</i> , <b>2020</b> , 20,	3.8	1
466	A Systematic Review of Non-Contact Sensing for Developing a Platform to Contain COVID-19. <i>Micromachines</i> , <b>2020</b> , 11,	3.3	10
465	Energy efficiency analysis of Drone Small Cells positioning based on reinforcement learning. <i>Internet Technology Letters</i> , <b>2020</b> , 3, e166	1.3	
464	A Recursive Calibration Approach for Smart Antenna Beamforming Frontend <b>2020</b> ,		1
463	Energy and Performance Trade-Off Optimization in Heterogeneous Computing via Reinforcement Learning. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1812	2.6	16
462	The Role of Artificial Intelligence Driven 5G Networks in COVID-19 Outbreak: Opportunities, Challenges, and Future Outlook. <i>Frontiers in Communications and Networks</i> , <b>2020</b> , 1,	3.3	15
461	Utilizing Loss Tolerance and Bandwidth Expansion for Energy Efficient User Association in HetNets <b>2020</b> ,		2
460	Mobility Management-Based Autonomous Energy-Aware Framework Using Machine Learning Approach in Dense Mobile Networks. <i>Signals</i> , <b>2020</b> , 1, 170-187	1.2	7
459	Load-Aware Cell Switching in Ultra-Dense Networks: An Artificial Neural Network Approach <b>2020</b> ,		1
458	A Component Model with Verifiable Composition for the Construction of Emergency Management Systems. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 10683-10692	2.5	0
457	. <i>IEEE Access</i> , <b>2020</b> , 8, 140079-140096	3.5	52

456	Design and Characterization of T/R Module for Commercial Beamforming Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 130252-130262	3.5	4
455	A blockchain-based decentralized energy management in a P2P trading system <b>2020</b> ,		7
454	Self-Powered Implantable Medical Devices: Photovoltaic Energy Harvesting Review. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000779	10.1	33
453	Improved Neural Network Transparency for Cell Degradation Detection Using Explanatory Model <b>2020</b> ,		1
452	Multi-User Position Based on Trajectories-Aware Handover Strategy for Base Station Selection with Multi-Agent Learning <b>2020</b> ,		3
451	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. <i>IEEE Access</i> , <b>2020</b> , 8, 147029-147044	3.5	14
450	Drone Trajectory Optimization using Genetic Algorithm with Prioritized Base Stations <b>2020</b> ,		1
449	. <i>IEEE Vehicular Technology Magazine</i> , <b>2020</b> , 15, 62-73	9.9	9
448	. <i>IEEE Transactions on Network and Service Management</i> , <b>2020</b> , 17, 2620-2633	4.8	24
447	. <i>IEEE Access</i> , <b>2020</b> , 8, 183505-183533	3.5	13
446	5G Cellular Networks: Coverage Analysis in the Presence of Inter-Cell Interference and Intentional Jammers. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1538	2.6	2
445	Travelers-Tracing and Mobility Profiling Using Machine Learning in Railway Systems <b>2020</b> ,		8
444	Terahertz Antenna Array Based on a Hybrid Perovskite Structure. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2020</b> , 1, 464-471	1.9	6
443	Flexible and Scalable Software Defined Radio Based Testbed for Large Scale Body Movement. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1354	2.6	3
442	IoT Enabled Smart Security Framework for 3D Printed Smart Home <b>2020</b> ,		1
441	A novel cooperative link selection mechanism for enhancing the robustness in scale-free IoT networks <b>2020</b> ,		1
440	Enhanced MDT-Based Performance Estimation for AI Driven Optimization in Future Cellular Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 161406-161426	3.5	3
439	Clustering Based UAV Base Station Positioning for Enhanced Network Capacity <b>2020</b> ,		6

438	Blockchain-enabled Wireless IoT Networks with Multiple Communication Connections <b>2020</b> ,		2
437	Age of Information for Actuation Update in Real-Time Wireless Control Systems <b>2020</b> ,		1
436	Precision Techniques and Agriculture 4.0 Technologies to Promote Sustainability in the Coffee Sector: State of the Art, Challenges and Future Trends. <i>IEEE Access</i> , <b>2020</b> , 8, 149854-149867	3.5	4 <sup>1</sup>
435	<b>2020</b> ,		1
434	Location Dependent Channel Characteristics for Implantable Devices <b>2020</b> ,		2
433	. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , <b>2020</b> , 6, 107-133	2.3	15
432	A Speculative Study on 6G. <i>IEEE Wireless Communications</i> , <b>2020</b> , 27, 118-125	13.4	213
431	Hardware-Based Hopfield Neuromorphic Computing for Fall Detection. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
430	. <i>IEEE Internet of Things Magazine</i> , <b>2020</b> , 3, 58-63	3.5	17
429	Optimizing the Number of Fog Nodes for Finite Fog Radio Access Networks under Multi-Slope Path Loss Model. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 2175	2.6	6
428	Diagnosis of the Hypopnea syndrome in the early stage. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 855-866	4.8	29
427	An Overview of Neuromorphic Computing for Artificial Intelligence Enabled Hardware-Based Hopfield Neural Network. <i>IEEE Access</i> , <b>2020</b> , 8, 67085-67099	3.5	15
426	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach <b>2020</b> , 15, e0242613		
425	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach <b>2020</b> , 15, e0242613		
424	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach <b>2020</b> , 15, e0242613		
423	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach <b>2020</b> , 15, e0242613		
422	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach <b>2020</b> , 15, e0242613		
421	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach <b>2020</b> , 15, e0242613		



420	Narrowband-Internet of Things (NB-IoT): Performance Evaluation in 5G Heterogeneous Wireless Networks <b>2019</b> ,		4
419	Backhaul-Aware and Context-Aware User-Cell Association Approach <b>2019</b> ,		1
418	Electromagnetic Properties of Plant Leaves at Terahertz Frequencies for Health Status Monitoring <b>2019</b> ,		1
417	User Access Control and Bandwidth Allocation for Slice-Based 5G-and-Beyond Radio Access Networks <b>2019</b> ,		7
416	. <i>IEEE Access</i> , <b>2019</b> , 7, 98946-98958	3.5	6
415	Delay-Aware Energy-Efficient Joint Power Control and Mode Selection in Device-to-Device Communications for FREEDM Systems in Smart Grids. <i>IEEE Access</i> , <b>2019</b> , 7, 87369-87381	3.5	8
414	Performance analysis of semiconductor optical amplifier as a gate switch <b>2019</b> ,		2
413	Terahertz Antenna based on Graphene for Wearable Applications <b>2019</b> ,		2
412	Improve Tracking Speed of Beamformer With Simplified Zero Placement Algorithm <b>2019</b> ,		1
411	Modelling of Implantable Photovoltaic Cells Based on Human Skin Types <b>2019</b> ,		2
410	Terahertz Sensing for Fruit Spoilage Monitoring <b>2019</b> ,		3
409	Monitoring the Variability of Water Dynamics in Plant Leaves at Cellular Level Using Terahertz Sensing <b>2019</b> ,		1
408	Flexible and Wearable Graphene-based Terahertz Antenna for Body-Centric Applications <b>2019</b> ,		1
407	Cell Fault Management Using Machine Learning Techniques. <i>IEEE Access</i> , <b>2019</b> , 7, 124514-124539	3.5	13
406	State-of-the-art in terahertz sensing for food and water security A comprehensive review. <i>Trends in Food Science and Technology</i> , <b>2019</b> , 85, 241-251	15.3	51
405	A novel deep learning driven, low-cost mobility prediction approach for 5G cellular networks: The case of the Control/Data Separation Architecture (CDSA). <i>Neurocomputing</i> , <b>2019</b> , 358, 479-489	5.4	34
404	Inkjet-printed UHF RFID tag based system for salinity and sugar detection. <i>Microwave and Optical Technology Letters</i> , <b>2019</b> , 61, 2161-2168	1.2	10
403	IEEE Access Special Section Editorial: Underwater Wireless Communications and Networking. <i>IEEE Access</i> , <b>2019</b> , 7, 52288-52294	3.5	4

402	Backhaul Aware User-Specific Cell Association Using Q-Learning. <i>IEEE Transactions on Wireless Communications</i> , <b>2019</b> , 18, 3528-3541	9.6	5
401	Circular Polarized RFID Tag Antenna Design using Characteristic Mode Analysis <b>2019</b> ,		5
400	Recent Advances in Fabrication Methods for Flexible Antennas in Wearable Devices: State of the Art. <i>Sensors</i> , <b>2019</b> , 19,	3.8	48
399	Numerical Treatment for the Three-Dimensional Eyring-Powell Fluid Flow over a Stretching Sheet with Velocity Slip and Activation Energy. <i>Advances in Mathematical Physics</i> , <b>2019</b> , 2019, 1-12	1.1	42
398	Design, Test and Optimization of Inductive Coupled Coils for Implantable Biomedical Devices. <i>Journal of Low Power Electronics</i> , <b>2019</b> , 15, 76-86	1.2	13
397	Generative Adversarial Learning for Machine Learning empowered Self Organizing 5G Networks <b>2019</b> ,		7
396	Blockchain-Enabled Wireless Internet of Things: Performance Analysis and Optimal Communication Node Deployment. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 5791-5802	10.7	111
395	IEEE Access Special Section Editorial: Modeling, Analysis, AND Design OF 5G Ultra-Dense Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 18894-18898	3.5	3
394	. <i>IEEE Access</i> , <b>2019</b> , 7, 10718-10733	3.5	2
393	Artificial Intelligence for Photovoltaic Systems. <i>Power Systems</i> , <b>2019</b> , 121-142	0.4	3
392	A Heterogeneous IoV Architecture for Data Forwarding in Vehicle to Infrastructure Communication. <i>Mobile Information Systems</i> , <b>2019</b> , 2019, 1-12	1.4	27
391	. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 3521-3531	4	13
390	Optimal Filter Length and Zero Padding Length Design for Universal Filtered Multi-Carrier (UFMC) System. <i>IEEE Access</i> , <b>2019</b> , 7, 21687-21701	3.5	6
389	\$\$\$ -Band Sensing-Based Motion Assessment Framework for Cerebellar Dysfunction Patients. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 8460-8467	4	26
388	A Computational Analysis of Two-Phase Casson Nanofluid Passing a Stretching Sheet Using Chemical Reactions and Gyrotactic Microorganisms. <i>Mathematical Problems in Engineering</i> , <b>2019</b> , 2019, 1-12	1.1	27
387	<b>2019</b> ,		11
386	Optimal Bin Width for Autonomous Coverage Estimation Using MDT Reports in the Presence of User Positioning Error. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 716-719	3.8	5
385	Performance Analysis of Early-HARQ for Finite Block-Length Packet Transmission <b>2019</b> ,		2

384	A New Dimension to Spectrum Management in IoT Empowered 5G Networks. <i>IEEE Network</i> , <b>2019</b> , 33, 186-193	11.4	9
383	Ultra-Reliable Communications for Industrial Internet of Things: Design Considerations and Channel Modeling. <i>IEEE Network</i> , <b>2019</b> , 33, 104-111	11.4	20
382	Intelligent Positioning of UAVs for Future Cellular Networks <b>2019</b> , 217-232		
381	Towards Realistic Modelling of Drone-based Cellular Network Coverage <b>2019</b> , 191-215		
380	Edge computing in smart health care systems: Review, challenges, and research directions. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2019</b> , e3710	1.9	26
379	Characterization and Water Content Estimation Method of Living Plant Leaves Using Terahertz Waves. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2781	2.6	14
378	Novel QoS-Aware Proactive Spectrum Access Techniques for Cognitive Radio Using Machine Learning. <i>IEEE Access</i> , <b>2019</b> , 7, 70811-70827	3.5	15
377	. <i>IEEE Access</i> , <b>2019</b> , 7, 183081-183090	3.5	10
376	Low-Cost Inkjet-Printed RFID Tag Antenna Design for Remote Healthcare Applications. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , <b>2019</b> , 3, 261-268	2.8	13
375	. <i>IEEE Access</i> , <b>2019</b> , 7, 92693-92708	3.5	12
374	Cognitive health care system and its application in pill-rolling assessment. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2019</b> , 32, e2632	1	28
373	Assessment and Feedback for Large Classes in Transnational Engineering Education: StudentStaff Partnership-Based Innovative Approach. <i>Education Sciences</i> , <b>2019</b> , 9, 221	2.2	0
372	IoT for 5G/B5G Applications in Smart Homes, Smart Cities, Wearables and Connected Cars <b>2019</b> ,		7
371	Analysis of MHD and heat transfer effects with variable viscosity through ductus efferentes. <i>AIP Advances</i> , <b>2019</b> , 9, 085320	1.5	2
370	Reinforcement Learning Method for Beam Management in Millimeter-Wave Networks <b>2019</b> ,		7
369	<b>2019</b> ,		2
368	Motion Sensor-Based Small Cell Sleep Scheduling for 5G Networks <b>2019</b> ,		2
367	Orientation insensitive UHF RFID Tag Antenna with polarization diversity using Characteristic Mode Analysis <b>2019</b> ,		2

366	Visual Hand Tracking on Depth Image using 2-D Matched Filter <b>2019</b> ,		3
365	Drone Base Station Positioning and Power Allocation using Reinforcement Learning <b>2019</b> ,		6
364	Wearable UHF RFID Tag Antenna Design using Hilbert Fractal Structure <b>2019</b> ,		3
363	Coverage Analysis for Indoor-Outdoor Coexistence for Millimetre-Wave Communication <b>2019</b> ,		3
362	Channel Access and Power Control for Energy-Efficient Delay-Aware Heterogeneous Cellular Networks for Smart Grid Communications Using Deep Reinforcement Learning. <i>IEEE Access</i> , <b>2019</b> , 7, 133474-133484	3.5	14
361	Mobile Edge Computing-Based Data-Driven Deep Learning Framework for Anomaly Detection. <i>IEEE Access</i> , <b>2019</b> , 7, 137656-137667	3.5	21
360	The Role and Applications of Machine Learning in Future Self-Organizing Cellular Networks. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , <b>2019</b> , 1-23	0.2	
359	Routing Schemes in FANETs: A Survey. <i>Sensors</i> , <b>2019</b> , 20,	3.8	28
358	An efficient monitoring of eclamptic seizures in wireless sensors networks. <i>Computers and Electrical Engineering</i> , <b>2019</b> , 75, 16-30	4.3	26
357	Active Constellation Extension for Peak Power Reduction Based on Positive and Negative Iterations in OFDM Systems <b>2019</b> ,		1
356	WiFreeze: Multiresolution Scalograms for Freezing of Gait Detection in Parkinson's Leveraging 5G Spectrum with Deep Learning. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 1433	2.6	14
355	Programmable Wireless Channel for Multi-User MIMO Transmission Using Meta-Surface <b>2019</b> ,		9
354	Radome Design with Improved Aerodynamics and Radiation for Smart Antennas in Automotive Applications <b>2019</b> ,		1
353	Q-Learning Assisted Energy-Aware Traffic Offloading and Cell Switching in Heterogeneous Networks <b>2019</b> ,		5
352	A Flexible Low-Cost Hybrid Beamforming Structure for Practical Beamforming Applications <b>2019</b> ,		2
351	Performance Analysis for Blockchain Driven Wireless IoT Systems Based on Tempo-Spatial Model <b>2019</b> ,		1
350	Flexible SDN/NFV-based SON testbed for 5G mobile networks <b>2019</b> ,		2
349	Monitoring Health Status and Quality Assessment of Leaves Using Terahertz Frequency <b>2019</b> ,		1

348	Adversarial Machine Learning Attack on Modulation Classification <b>2019</b> ,		3
347	A Machine Learning Based 3D Propagation Model for Intelligent Future Cellular Networks <b>2019</b> ,		11
346	On the Viable Area of Wireless Practical Byzantine Fault Tolerance (PBFT) Blockchain Networks <b>2019</b> ,		11
345	Reinforcement Learning driven Energy Efficient Mobile Communication and Applications <b>2019</b> ,		4
344	Direction of Arrival Estimation using Root-Transformation Matrix Technique <b>2019</b> ,		1
343	Spectrum Cost Optimization for Cognitive Radio Transmission over TV White Spaces using Artificial Neural Networks <b>2019</b> ,		1
342	Towards Real-Time User QoE Assessment via Machine Learning on LTE Network Data <b>2019</b> ,		3
341	Machine learning driven non-invasive approach of water content estimation in living plant leaves using terahertz waves. <i>Plant Methods</i> , <b>2019</b> , 15, 138	5.8	20
340	Beamforming Optimization based on Kalman Filter for Vehicle in Constrained Route <b>2019</b> ,		1
339	Compact Base Station Antenna Based on Image Theory for UWB/5G RTLS Embraced Smart Parking of Driverless Cars. <i>IEEE Access</i> , <b>2019</b> , 1-1	3.5	8
338	QUALITY OF SERVICE OPTIMIZATION IN AN IOT-DRIVEN INTELLIGENT TRANSPORTATION SYSTEM. <i>IEEE Wireless Communications</i> , <b>2019</b> , 26, 10-17	13.4	52
337	Health Activities Monitoring and Warning System for Geriatric Daily Living in Extra Care Homes <b>2019</b> ,		2
336	An Overview of Post-Disaster Emergency Communication Systems in the Future Networks. <i>IEEE Wireless Communications</i> , <b>2019</b> , 26, 132-139	13.4	19
335	High Bandwidth Perovskite based Antenna for High-Resolution Biomedical Imaging at Terahertz <b>2019</b> ,		4
334	A Systematic Review of Project Allocation Methods in Undergraduate Transnational Engineering Education. <i>Education Sciences</i> , <b>2019</b> , 9, 258	2.2	2
333	A Secure Occupational Therapy Framework for Monitoring Cancer Patients' Quality of Life. <i>Sensors</i> , <b>2019</b> , 19,	3.8	12
332	Error Probability Analysis of Non-Orthogonal Multiple Access for Relaying Networks with Residual Hardware Impairments <b>2019</b> ,		4
331	Novel Flexible and Wearable 2.4 GHz Antenna for Body-Centric Applications <b>2019</b> ,		1

330	<b>2019,</b>		2
329	Low Density Spreading Multiple Access <b>2019</b> , 493-514		
328	. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2019</b> , 3, 1-10	4	6
327	Modulation Mode Detection and Classification for In Vivo Nano-Scale Communication Systems Operating in Terahertz Band. <i>IEEE Transactions on Nanobioscience</i> , <b>2019</b> , 18, 10-17	3.4	9
326	Millimeter-Wave Liquid Crystal Polymer Based Conformal Antenna Array for 5G Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 84-88	3.8	49
325	Low-Cost Inkjet-Printed UHF RFID Tag-Based System for Internet of Things Applications Using Characteristic Modes. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 3962-3975	10.7	31
324	Evaluation of ultra-wideband in vivo radio channel and its effects on system performance. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2019</b> , 30, e3530	1.9	2
323	Toward Real-Time Control in Future Wireless Networks: Communication-Control Co-Design. <i>IEEE Communications Magazine</i> , <b>2019</b> , 57, 138-144	9.1	37
322	Big data analytics for preventive medicine. <i>Neural Computing and Applications</i> , <b>2019</b> , 32, 1-35	4.8	109
321	Computational Intelligence Techniques for Mobile Network Optimization [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , <b>2018</b> , 13, 28-28	5.6	2
320	Wireless Backhaul: Performance Modeling and Impact on User Association for 5G. <i>IEEE Transactions on Wireless Communications</i> , <b>2018</b> , 17, 3095-3110	9.6	28
319	Radio Resource Management Scheme in NB-IoT Systems. <i>IEEE Access</i> , <b>2018</b> , 6, 15051-15064	3.5	88
318	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 3982-3997	6.8	17
317	Memory-Full Context-Aware Predictive Mobility Management in Dual Connectivity 5G Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 9655-9666	3.5	13
316	A Survey of Self-Interference Management Techniques for Single Frequency Full Duplex Systems. <i>IEEE Access</i> , <b>2018</b> , 6, 30242-30268	3.5	53
315	Spectrum Efficient MIMO-FBMC System Using Filter Output Truncation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 2367-2381	6.8	11
314	Performance evaluation of TCP over software-defined optical burst-switched data centre network. <i>Journal of Computational Science</i> , <b>2018</b> , 24, 44-53	3.4	1
313	. <i>IEEE Potentials</i> , <b>2018</b> , 37, 33-38	1	2

312	Leveraging Intelligence from Network CDR Data for Interference Aware Energy Consumption Minimization. <i>IEEE Transactions on Mobile Computing</i> , <b>2018</b> , 17, 1569-1582	4.6	13
311	. <i>IEEE Access</i> , <b>2018</b> , 6, 19859-19875	3.5	16
310	Optical Non-Orthogonal Multiple Access for Visible Light Communication. <i>IEEE Wireless Communications</i> , <b>2018</b> , 25, 82-88	13.4	58
309	Energy-Aware Radio Resource Management in D2D-Enabled Multi-Tier HetNets. <i>IEEE Access</i> , <b>2018</b> , 6, 16610-16622	3.5	25
308	Performance Analysis and Optimization of DCT-Based Multicarrier System on Frequency-Selective Fading Channels. <i>IEEE Access</i> , <b>2018</b> , 6, 13075-13089	3.5	8
307	Joint Sparse Graph for FBMC/OQAM Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 6098-6112	6.8	7
306	IEEE Access Special Section Editorial: Security in Wireless Communications and Networking. <i>IEEE Access</i> , <b>2018</b> , 6, 8959-8963	3.5	
305	Intracell Interference Characterization and Cluster Interference for D2D Communication. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 8536-8548	6.8	3
304	Breathing Rhythm Analysis in Body Centric Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 32507-32513	3.5	25
303	Optical Asymmetric Modulation for VLC Systems - Invited Paper <b>2018</b> ,		5
302	A Novel Orthogonal Transmission Scheme for Visible Light Communication <b>2018</b> ,		1
301	Power Management Using Photovoltaic Cells for Implantable Devices. <i>IEEE Access</i> , <b>2018</b> , 6, 42156-42164	3.5	15
300	Mobility Prediction-Based Autonomous Proactive Energy Saving (AURORA) Framework for Emerging Ultra-Dense Networks. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2018</b> , 2, 958-971	4	20
299	Minimizing Wireless Resource Consumption for Packetized Predictive Control in Real-Time Cyber Physical Systems <b>2018</b> ,		11
298	. <i>IEEE Access</i> , <b>2018</b> , 6, 39595-39605	3.5	10
297	A Review on the Role of Nano-Communication in Future Healthcare Systems: A Big Data Analytics Perspective. <i>IEEE Access</i> , <b>2018</b> , 6, 41903-41920	3.5	44
296	Multiple antenna techniques for terahertz nano-bio communication <b>2018</b> ,		1
295	Terahertz characterisation of living plant leaves for quality of life assessment applications <b>2018</b> ,		11



294	Experimental analysis of ultra wideband in vivo radio channel <b>2018</b> ,		6
293	<b>2018</b> ,		8
292	Utilizing a 5G spectrum for health care to detect the tremors and breathing activity for multiple sclerosis. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2018</b> , 29, e3454	1.9	25
291	Self-Healing in Emerging Cellular Networks: Review, Challenges, and Research Directions. <i>IEEE Communications Surveys and Tutorials</i> , <b>2018</b> , 20, 1682-1709	37.1	40
290	Mathematical Modeling of Ultra Wideband in Vivo Radio Channel. <i>IEEE Access</i> , <b>2018</b> , 6, 20848-20854	3.5	9
289	A hybrid precoding- and filtering-based uplink MC-LNOMA scheme for 5G cellular networks with reduced PAPR. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2018</b> , 29, e3501	1.9	3
288	FPGA Implementation of UPMC Based Baseband Transmitter: Case Study for LTE 10MHz Channelization. <i>Wireless Communications and Mobile Computing</i> , <b>2018</b> , 2018, 1-12	1.9	6
287	Concurrent Optimization of Coverage, Capacity, and Load Balance in HetNets Through Soft and Hard Cell Association Parameters. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 8781-8795	6.8	18
286	A Novel Load-Balancing Scheme for Cellular-WLAN Heterogeneous Systems With a Cell-Breathing Technique. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2094-2105	4.3	3
285	Narrowband Internet of Things (NB-IoT) and LTE Systems Co-Existence Analysis <b>2018</b> ,		4
284	Dynamic Wireless QoS Analysis for Real-Time Control in URLLC <b>2018</b> ,		8
283	Chronic Obstructive Pulmonary Disease Warning in the Approximate Ward Environment. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1915	2.6	12
282	IEEE Access Special Section Editorial: Mission Critical Public-Safety Communications: Architectures, Enabling Technologies, and Future Applications. <i>IEEE Access</i> , <b>2018</b> , 6, 79258-79262	3.5	3
281	Towards User QoE-Centric Elastic Cellular Networks: A Game Theoretic Framework for Optimizing Throughput and Energy Efficiency <b>2018</b> ,		4
280	Deep Learning Based Detection of Sleeping Cells in Next Generation Cellular Networks <b>2018</b> ,		7
279	Universal Access in 5G Networks: Potential Challenges and Opportunities for Urban and Rural Environments <b>2018</b> , 299-326		2
278	A compact Non-Invasive WearableVital Signal Monitoring System <b>2018</b> ,		3
277	A Tractable Approach to Base Station Sleep Mode Power Consumption and Deactivation Latency <b>2018</b> ,		1

276	User Transmit Power Minimization through Uplink Resource Allocation and User Association in HetNets <b>2018</b> ,		4
275	A Compact Wearable System for Detection of Plantar Pressure for Diabetic Foot Prevention <b>2018</b> ,		3
274	Tunable Folded- Patch UHF RFID Tag Antenna Design using Theory of Characteristic Modes <b>2018</b> ,		3
273	Coverage and rate analysis in the uplink of millimeter wave cellular networks with fractional power control. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2018</b> , 2018, 195	3.2	2
272	Hardware Efficient Adaptive Beamformer Based on Cyclic Variable Step Size <b>2018</b> ,		2
271	Joint Resource Allocation and Power Control in Heterogeneous Cellular Networks for Smart Grids <b>2018</b> ,		5
270	Critical Data-Based Incremental Cooperative Communication for Wireless Body Area Network. <i>Sensors</i> , <b>2018</b> , 18,	3.8	19
269	IEEE Access Special Section Editorial: Optical Wireless Technologies for 5G Communications and Beyond. <i>IEEE Access</i> , <b>2018</b> , 6, 63619-63623	3.5	2
268	Concurrent CCO and LB Optimization in Emerging HetNets: A Novel Solution and Comparative Analysis <b>2018</b> ,		2
267	Wireless Power Transfer for 3D Printed Unmanned Aerial Vehicle (UAV) Systems <b>2018</b> ,		7
266	Simulation of Photovoltaic Cells for Implantable Sensory Applications <b>2018</b> ,		5
265	Truncated Channel Inversion Power Control for the Uplink of mmWave Cellular Networks <b>2018</b> ,		3
264	Dynamic Priority Based Reliable Real-Time Communications for Infrastructure-Less Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 67338-67359	3.5	5
263	On the Efficiency Tradeoffs in User-Centric Cloud RAN <b>2018</b> ,		6
262	Cell Coverage Degradation Detection Using Deep Learning Techniques <b>2018</b> ,		5
261	Guest Editorial Emerging Technologies in Tactile Internet and Backhaul/Fronthaul Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2018</b> , 36, 2387-2389	14.2	0
260	Dynamic QoS Allocation for Real-Time Wireless Control in Tactile Internet <b>2018</b> ,		3
259	. <i>IEEE Vehicular Technology Magazine</i> , <b>2018</b> , 13, 51-59	9.9	15

258	Energy Harvesting in LoRaWAN: A Cost Analysis for the Industry 4.0. <i>IEEE Communications Letters</i> , <b>2018</b> , 22, 2358-2361	3.8	26
257	Computationally Intelligent Techniques for Resource Management in MmWave Small Cell Networks. <i>IEEE Wireless Communications</i> , <b>2018</b> , 25, 32-39	13.4	34
256	Energy-Aware Smart Connectivity for IoT Networks: Enabling Smart Ports. <i>Wireless Communications and Mobile Computing</i> , <b>2018</b> , 2018, 1-11	1.9	19
255	Distributed Drone Base Station Positioning for Emergency Cellular Networks Using Reinforcement Learning. <i>Cognitive Computation</i> , <b>2018</b> , 10, 790-804	4.4	48
254	. <i>IEEE Access</i> , <b>2018</b> , 6, 35072-35090	3.5	27
253	Sub-Graph Based Joint Sparse Graph for Sparse Code Multiple Access Systems. <i>IEEE Access</i> , <b>2018</b> , 6, 25066-25080	6.5	25080
252	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 2382-2393	6.8	9
251	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 1313-1323	6.8	9
250	Coordinated Multi-Point Clustering Schemes: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , <b>2017</b> , 19, 743-764	37.1	91
249	Predictive and Core-Network Efficient RRC Signalling for Active State Handover in RANs With Control/Data Separation. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 1423-1436	9.6	25
248	Modular Approach for Modelling the Hybrid Multi-Hop Backhaul Performance. <i>IEEE Wireless Communications Letters</i> , <b>2017</b> , 6, 262-265	5.9	3
247	Social-Aware Resource Allocation and Optimization for D2D Communication. <i>IEEE Wireless Communications</i> , <b>2017</b> , 24, 122-129	13.4	34
246	Collagen Analysis at Terahertz Band Using Double-Debye Parameter Extraction and Particle Swarm Optimisation. <i>IEEE Access</i> , <b>2017</b> , 5, 27850-27856	3.5	7
245	Feasibility, architecture and cost considerations of using TVWS for rural Internet access in 5G <b>2017</b> ,		24
244	Towards proactive context-aware self-healing for 5G networks. <i>Computer Networks</i> , <b>2017</b> , 128, 5-13	5.4	7
243	On the joint optimisation of radio access and backhaul networks <b>2017</b> ,		1
242	On the impact of HARQ on the throughput and energy efficiency using cross-layer analysis <b>2017</b> ,		1
241	Energy-Efficient SON-Based User-Centric Backhaul Scheme <b>2017</b> ,		4

240	Physical Layer Authentication in Nano Networks at Terahertz Frequencies for Biomedical Applications. <i>IEEE Access</i> , <b>2017</b> , 5, 7808-7815	3.5	14
239	Energy efficient hybrid satellite terrestrial 5G networks with software defined features. <i>Journal of Communications and Networks</i> , <b>2017</b> , 19, 147-161	4.1	38
238	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 9328-9337	6.8	7
237	Mobile Health in the Developing World: Review of Literature and Lessons From a Case Study. <i>IEEE Access</i> , <b>2017</b> , 5, 11540-11556	3.5	90
236	Analytical Characterisation of the Terahertz In-Vivo Nano-Network in the Presence of Interference Based on TS-OOK Communication Scheme. <i>IEEE Access</i> , <b>2017</b> , 5, 10172-10181	3.5	15
235	Electromagnetic Emission-Aware Scheduling for the Uplink of Multicell OFDM Wireless Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 8212-8222	6.8	4
234	Enabling proactive self-healing by data mining network failure logs <b>2017</b> ,		15
233	Planning Wireless Cellular Networks of Future: Outlook, Challenges and Opportunities. <i>IEEE Access</i> , <b>2017</b> , 5, 4821-4845	3.5	64
232	Analytical approach to base station sleep mode power consumption and sleep depth <b>2017</b> ,		6
231	M2M Communications in 5G: State-of-the-Art Architecture, Recent Advances, and Research Challenges <b>2017</b> , 55, 194-201		68
230	Fault prediction and reliability analysis in a real cellular network <b>2017</b> ,		13
229	Coverage analysis in the uplink of mmWave cellular networks <b>2017</b> ,		4
228	A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. <i>IEEE Communications Surveys and Tutorials</i> , <b>2017</b> , 19, 2392-2431	37.1	237
227	Fuzzy Q-learning-based user-centric backhaul-aware user cell association scheme <b>2017</b> ,		8
226	<b>2017</b> ,		5
225	Hardware Complexity Reduction in Universal Filtered Multicarrier Transmitter Implementation. <i>IEEE Access</i> , <b>2017</b> , 5, 13401-13408	3.5	17
224	Employing antenna selection to improve energy efficiency in massive MIMO systems. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2017</b> , 28, e3212	1.9	10
223	Non-Orthogonal Multiple Access (NOMA) for Future Radio Access <b>2017</b> , 135-163		13

222	Spatiotemporal Mobility Prediction in Proactive Self-Organizing Cellular Networks. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 370-373	3.8	31
221	Anatomical Region-Specific In Vivo Wireless Communication Channel Characterization. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2017</b> , 21, 1254-1262	7.2	27
220	IEEE Access Special Section Editorial: Health Informatics for the Developing World. <i>IEEE Access</i> , <b>2017</b> , 5, 27818-27823	3.5	6
219	3D Transition Matrix Solution for a Path Dependency Problem of Markov Chains-Based Prediction in Cellular Networks <b>2017</b> ,		3
218	Delay-optimal mode selection in device-to-device communications for smart grid <b>2017</b> ,		4
217	Improvement on the Performance of Predictive Handover Management by Setting a Threshold <b>2017</b> ,		3
216	A novel load-aware cell association for simultaneous network capacity and user QoS optimization in emerging HetNets <b>2017</b> ,		4
215	<b>2017</b> ,		2
214	<b>2017</b> ,		11
213	How 5G Wireless (and Concomitant Technologies) Will Revolutionize Healthcare?. <i>Future Internet</i> , <b>2017</b> , 9, 93	3.3	80
212	Approximate Networking for Universal Internet Access. <i>Future Internet</i> , <b>2017</b> , 9, 94	3.3	1
211	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2016</b> , 18, 446-465	37.1	81
210	A Cell Outage Management Framework for Dense Heterogeneous Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 2097-2113	6.8	62
209	On the Optimization of Distributed Compression in Multirelay Cooperative Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 2114-2128	6.8	3
208	A self-organized resource allocation scheme for heterogeneous macro-femto networks. <i>Wireless Communications and Mobile Computing</i> , <b>2016</b> , 16, 330-342	1.9	6
207	<b>2016</b> ,		11
206	. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2016</b> , 6, 803-809	3.4	23
205	Nano-Communication for Biomedical Applications: A Review on the State-of-the-Art From Physical Layers to Novel Networking Concepts. <i>IEEE Access</i> , <b>2016</b> , 4, 3920-3935	3.5	59

204	Green Hybrid Satellite Terrestrial Networks: Fundamental Trade-Off Analysis <b>2016</b> ,		7
203	Enabling Massive IoT in 5G and Beyond Systems: PHY Radio Frame Design Considerations. <i>IEEE Access</i> , <b>2016</b> , 4, 3322-3339	3.5	123
202	Extrinsic Information Modification in the Turbo Decoder by Exploiting Source Redundancies for HEVC Video Transmitted Over a Mobile Channel. <i>IEEE Access</i> , <b>2016</b> , 4, 7186-7198	3.5	2
201	Interference Mitigation in D2D Communication Underlying LTE-A Network. <i>IEEE Access</i> , <b>2016</b> , 4, 7967-7987	3.5	40
200	Fronthaul data compression for Uplink CoMP in cloud radio access network (C-RAN). <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2016</b> , 27, 1409-1425	1.9	2
199	Spectral and energy efficient cognitive radio-aided heterogeneous cellular network with uplink power adaptation. <i>Wireless Communications and Mobile Computing</i> , <b>2016</b> , 16, 2144-2162	1.9	2
198	A Distributed SON-Based User-Centric Backhaul Provisioning Scheme. <i>IEEE Access</i> , <b>2016</b> , 4, 2314-2330	3.5	30
197	Load Aware Self-Organising User-Centric Dynamic CoMP Clustering for 5G Networks. <i>IEEE Access</i> , <b>2016</b> , 4, 2895-2906	3.5	118
196	Control and Data Channel Resource Allocation in OFDMA Heterogeneous Networks. <i>Journal of Signal Processing Systems</i> , <b>2016</b> , 85, 183-199	1.4	
195	Performance evaluation of hybrid optical switch architecture for data center networks. <i>Optical Switching and Networking</i> , <b>2016</b> , 21, 1-15	1.6	15
194	How Reliable is MDT-Based Autonomous Coverage Estimation in the Presence of User and BS Positioning Error?. <i>IEEE Wireless Communications Letters</i> , <b>2016</b> , 5, 196-199	5.9	6
193	On the Traffic Offloading in Wi-Fi Supported Heterogeneous Wireless Networks. <i>Journal of Signal Processing Systems</i> , <b>2016</b> , 83, 225-240	1.4	3
192	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2016</b> , 18, 419-445	37.1	82
191	Energy Efficient Inter-Frequency Small Cell Discovery in Heterogeneous Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 7122-7135	6.8	19
190	Will 5G See its Blind Side? Evolving 5G for Universal Internet Access <b>2016</b> ,		11
189	Acoustic and Device Feature Fusion for Load Recognition. <i>Studies in Computational Intelligence</i> , <b>2016</b> , 287-300	0.8	
188	An Integrated Approach for Functional Decomposition of Future RAN. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> , 123-144	0.8	
187	Outage Detection Framework for Energy Efficient Communication Network. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> , 3-29	0.8	

186	An Enhanced Energy Balanced Data Transmission Protocol for Underwater Acoustic Sensor Networks. <i>Sensors</i> , <b>2016</b> , 16,	3.8	42
185	Catalytic Flash Pyrolysis of Biomass Using Different Types of Zeolite and Online Vapor Fractionation. <i>Energies</i> , <b>2016</b> , 9, 187	3.1	37
184	A multi-objective performance modelling framework for enabling self-optimisation of cellular network topology and configurations. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2016</b> , 27, 1000-1015	1.9	3
183	A Survey of the Challenges, Opportunities and Use of Multiple Antennas in Current and Future 5G Small Cell Base Stations. <i>IEEE Access</i> , <b>2016</b> , 4, 2952-2964	3.5	112
182	A learning-based approach for autonomous outage detection and coverage optimization. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2016</b> , 27, 439-450	1.9	16
181	A Multiple Attribute User-Centric Backhaul Provisioning Scheme Using Distributed SON <b>2016</b> ,		12
180	Energy Efficiency Analysis of Heterogeneous Cache-Enabled 5G Hyper Cellular Networks <b>2016</b> ,		13
179	Internet of Things (IoT) in 5G Wireless Communications. <i>IEEE Access</i> , <b>2016</b> , 4, 10310-10314	3.5	85
178	Dynamic femtocell resource allocation for managing inter-tier interference in downlink of heterogeneous networks. <i>IET Communications</i> , <b>2016</b> , 10, 641-650	1.3	16
177	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 2320-2333	4.2	16
176	. <i>IEEE Vehicular Technology Magazine</i> , <b>2016</b> , 11, 32-42	9.9	17
175	Terahertz Channel Characterization Inside the Human Skin for Nano-Scale Body-Centric Networks. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2016</b> , 6, 427-434	3.4	82
174	5G Backhaul Challenges and Emerging Research Directions: A Survey. <i>IEEE Access</i> , <b>2016</b> , 4, 1743-1766	3.5	352
173	Adaptive stochastic radio access selection scheme for cellular-WLAN heterogeneous communication systems. <i>IET Communications</i> , <b>2016</b> , 10, 1986-1994	1.3	2
172	Software-Defined Optical Burst Switching for HPC and Cloud Computing Data Centers. <i>Journal of Optical Communications and Networking</i> , <b>2016</b> , 8, 610	4.1	10
171	. <i>IEEE Vehicular Technology Magazine</i> , <b>2015</b> , 10, 52-60	9.9	15
170	The Cognitive Internet of Things: A Unified Perspective. <i>Mobile Networks and Applications</i> , <b>2015</b> , 20, 72-85	8.9	25
169	Distance Based Cooperation Region for D2D Pair <b>2015</b> ,		9



168	The Cognitive Interference Channel With a Causal Relay in Very Strong Interference. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 593-596	3.8	
167	Design of Joint Sparse Graph for OFDM System. <i>IEEE Transactions on Wireless Communications</i> , <b>2015</b> , 14, 1823-1836	9.6	24
166	Data-driven analytics for automated cell outage detection in Self-Organizing Networks <b>2015</b> ,		19
165	Performance analysis of optical burst switching with fast optical switches for data center networks <b>2015</b> ,		4
164	Smart backhauling and fronthauling for 5G networks: from precoding to network architecture [Guest editorial]. <i>IEEE Wireless Communications</i> , <b>2015</b> , 22, 10-12	13.4	4
163	MmWave massive-MIMO-based wireless backhaul for the 5G ultra-dense network. <i>IEEE Wireless Communications</i> , <b>2015</b> , 22, 13-21	13.4	256
162	Cloud empowered Cognitive Inter-cell Interference Coordination for small cellular networks <b>2015</b> ,		6
161	HOSA <b>2015</b> ,		10
160	. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 3025-3025	6.9	
159	A data center network featuring low latency and energy efficiency based on all optical core interconnect <b>2015</b> ,		2
158	LTE-advanced self-organizing network conflicts and coordination algorithms. <i>IEEE Wireless Communications</i> , <b>2015</b> , 22, 108-117	13.4	23
157	On energy efficient inter-frequency small cell discovery in heterogeneous networks <b>2015</b> ,		5
156	Coverage Gain and Device-to-Device User Density: Stochastic Geometry Modeling and Analysis. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 1742-1745	3.8	26
155	. <i>IEEE Access</i> , <b>2015</b> , 3, 864-874	3.5	26
154	<b>2015</b> , 53, 66-68		2
153	Insights and Approaches for Low-Complexity 5G Small-Cell Base-Station Design for Indoor Dense Networks. <i>IEEE Access</i> , <b>2015</b> , 3, 1562-1572	3.5	30
152	Fuzzy-logic framework for future dynamic cellular systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2015</b> , 2015,	3.2	1
151	Adaptive Anomaly Detection with Kernel Eigenspace Splitting and Merging. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 3-16	4.2	14

150	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 1535-1547	6.8	19
149	Receiver and resource allocation optimization for uplink NOMA in 5G wireless networks <b>2015</b> ,		24
148	Electromagnetic emission-aware scheduling for the uplink of coordinated OFDM wireless systems <b>2015</b> ,		6
147	A Game Theoretic Approach for Optimizing Density of Remote Radio Heads in User Centric Cloud-Based Radio Access Network <b>2015</b> ,		5
146	Self organising cloud cells: a resource efficient network densification strategy. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2015</b> , 26, 1096-1107	1.9	19
145	Continuous Time Markov Chain Based Reliability Analysis for Future Cellular Networks <b>2015</b> ,		8
144	Electromagnetic emission-aware resource allocation for the uplink of OFDM wireless communication systems <b>2015</b> ,		1
143	Correlation-based adaptive pilot pattern in control/data separation architecture <b>2015</b> ,		7
142	Energy Efficiency vs. Economic Cost of Cellular Networks under Co-channel Interference. <i>IEEE Latin America Transactions</i> , <b>2015</b> , 13, 422-427	0.7	
141	Accurate and Efficient Algorithms for Cognitive Radio Modeling Applications Under the i.n.i.d. Paradigm. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 1750-1765	6.8	9
140	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2015</b> , 17, 790-802	37.1	23
139	Experimental Characterization of In Vivo Wireless Communication Channels <b>2015</b> ,		6
138	Control and data channel resource allocation in macro-femto Heterogeneous Networks <b>2015</b> ,		2
137	Mobility prediction for handover management in cellular networks with control/data separation <b>2015</b> ,		36
136	<b>2015</b> ,		1
135	Performance analysis of C/U split hybrid satellite terrestrial network for 5G systems <b>2015</b> ,		10
134	An adaptive backhaul-aware cell range extension approach <b>2015</b> ,		22
133	Energy efficient resource allocation for 5G Heterogeneous Networks <b>2015</b> ,		7

132	IEEE ACCESS SPECIAL SECTION EDITORIAL: ARTIFICIAL INTELLIGENCE ENABLED NETWORKING. <i>IEEE Access</i> , <b>2015</b> , 3, 3079-3082	3.5	13
131	DS-CDMA assisted visible light communications systems <b>2015</b> ,		1
130	The role of satellites in 5G <b>2015</b> ,		37
129	Characterizing Coverage and Downlink Throughput of Cloud Empowered HetNets. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 1013-1016	3.8	15
128	Cognitive Internet of Things: A Unified Perspective (Invited Paper). <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2015</b> , 201-210	0.2	2
127	Hybrid Cognitive Satellite Terrestrial Coverage. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2015</b> , 523-533	0.2	3
126	Femtocell Collaborative Outage Detection (FCOD) with Built-in Sleeping Mode Recovery (SMR) Technique. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2015</b> , 477-486	0.2	0
125	Self Organization of Tilts in Relay Enhanced Networks: A Distributed Solution. <i>IEEE Transactions on Wireless Communications</i> , <b>2014</b> , 13, 764-779	9.6	16
124	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 1256-1269	6.8	24
123	Radio Resource Allocation for Uplink OFDMA Systems With Finite Symbol Alphabet Inputs. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 1917-1921	6.8	7
122	On the bits per joule optimization in cellular cognitive radio networks <b>2014</b> ,		1
121	Uplink non-orthogonal multiple access for 5G wireless networks <b>2014</b> ,		213
120	Achievable rate optimization for coordinated multi-point transmission (CoMP) in cloud-based RAN architecture <b>2014</b> ,		4
119	High quality bio-oil from catalytic flash pyrolysis of lignocellulosic biomass over alumina-supported sodium carbonate. <i>Fuel Processing Technology</i> , <b>2014</b> , 127, 72-79	7.2	76
118	On the Cognitive Interference Channel With Causal Unidirectional Destination Cooperation. <i>IEEE Communications Letters</i> , <b>2014</b> , 18, 1123-1126	3.8	
117	Anomaly Detection in Wireless Sensor Networks in a Non-Stationary Environment. <i>IEEE Communications Surveys and Tutorials</i> , <b>2014</b> , 16, 1413-1432	37.1	62
116	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 2272-2283	6.8	11
115	Ellipsoidal neighbourhood outlier factor for distributed anomaly detection in resource constrained networks. <i>Pattern Recognition</i> , <b>2014</b> , 47, 2867-2879	7.7	31

114	Expanding cellular coverage via cell-edge deployment in heterogeneous networks: spectral efficiency and backhaul power consumption perspectives <b>2014</b> , 52, 140-149		18
113	Energy Efficiency Benefits of RAN-as-a-Service Concept for a Cloud-Based 5G Mobile Network Infrastructure. <i>IEEE Access</i> , <b>2014</b> , 2, 1586-1597	3.5	60
112	<b>2014</b> ,		3
111	Complexity Analysis of Vision Functions for Comparison of Wireless Smart Cameras. <i>International Journal of Distributed Sensor Networks</i> , <b>2014</b> , 10, 710685	1.7	4
110	A SON solution for sleeping cell detection using low-dimensional embedding of MDT measurements <b>2014</b> ,		17
109	A user scheduling scheme for reducing electromagnetic (EM) emission in the uplink of mobile communication systems <b>2014</b> ,		5
108	Fast convergence and reduced complexity receiver design for LDS-OFDM system <b>2014</b> ,		6
107	Joint coverage and backhaul self-optimization in emerging relay enhanced heterogeneous networks <b>2014</b> ,		1
106	Energy Efficiency-Spectral Efficiency Trade-Off of Transmit Antenna Selection. <i>IEEE Transactions on Communications</i> , <b>2014</b> , 62, 4293-4303	6.9	14
105	Challenges in 5G: how to empower SON with big data for enabling 5G. <i>IEEE Network</i> , <b>2014</b> , 28, 27-33	11.4	266
104	. <i>IEEE Transactions on Wireless Communications</i> , <b>2014</b> , 13, 6580-6592	9.6	10
103	Profiling spatial and temporal behaviour in sensor networks: A case study in energy monitoring <b>2014</b> ,		5
102	Spectral efficiency improvements in HetNets by exploiting device-to-device communications <b>2014</b> ,		7
101	Ultra wideband in vivo radio channel characterisation and system modeling <b>2014</b> ,		2
100	Public-Key Authentication for Cloud-based WBANs <b>2014</b> ,		3
99	Device-to-Device Communication in Heterogeneous Networks <b>2014</b> , 219-235		1
98	Low complexity subcarrier and power allocation algorithm for uplink OFDMA systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2013</b> , 2013,	3.2	17
97	Green heterogeneous small-cell networks: toward reducing the CO2 emissions of mobile communications industry using uplink power adaptation <b>2013</b> , 51, 52-61		48

96	Energy efficiency of some non-cooperative, cooperative and hybrid communication schemes in multi-relay WSNs. <i>Wireless Networks</i> , <b>2013</b> , 19, 1769-1781	2.5	2
95	Localized Algorithm for Segregation of Critical/Non-critical Nodes in Mobile Ad Hoc and Sensor Networks. <i>Procedia Computer Science</i> , <b>2013</b> , 19, 1167-1172	1.6	24
94	Energy efficiency in heterogeneous wireless access networks. <i>IEEE Wireless Communications</i> , <b>2013</b> , 20, 37-43	13.4	62
93	K-tier heterogeneous small-cell networks: Towards balancing the spectrum usage and power consumption with aggressive frequency reuse <b>2013</b> ,		1
92	Low-power appliance monitoring using Factorial Hidden Markov Models <b>2013</b> ,		42
91	Energy Efficiency of Transmit Diversity Systems Under a Realistic Power Consumption Model. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 119-122	3.8	16
90	<b>2013</b> ,		7
89	A heuristic energy efficient scheduling scheme for VoIP in 3GPP LTE networks <b>2013</b> ,		7
88	Individual energy use and feedback in an office setting: A field trial. <i>Energy Policy</i> , <b>2013</b> , 62, 717-728	7.2	108
87	Near-optimal energy-efficient joint resource allocation for multi-hop MIMO-AF systems <b>2013</b> ,		3
86	Energy-efficient resource allocation for orthogonal multi-antenna multi-carrier channel <b>2013</b> ,		1
85	Advances in base- and mobile-station aided cooperative wireless communications: An overview. <i>IEEE Vehicular Technology Magazine</i> , <b>2013</b> , 8, 57-69	9.9	14
84	A Comparison of Generative and Discriminative Appliance Recognition Models for Load Monitoring. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2013</b> , 51, 012002	0.4	1
83	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2013</b> , 15, 336-361	37.1	262
82	. <i>IEEE Transactions on Communications</i> , <b>2013</b> , 61, 3741-3753	6.9	59
81	On the Relation Between Energy Efficiency and Spectral Efficiency of Multiple-Antenna Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 3463-3469	6.8	9
80	Frequency planning for clustered jointly processed cellular multiple access channel. <i>IET Communications</i> , <b>2013</b> , 7, 1739-1752	1.3	
79	Ultrawideband Band-Notched Flexible Antenna for Wearable Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 1606-1609	3.8	68

78	2013,		2
77	Low Complexity Background Subtraction for Wireless Vision Sensor Node 2013,		5
76	Energy-efficient dynamic deployment architecture for future cellular systems 2013,		1
75	Participatory sensing as an enabler for self-organisation in future cellular networks. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013, 51, 012003	0.4	1
74	Weighted Average Energy Efficiency Contours for Uplink Channels 2013,		1
73	. <i>IEEE Transactions on Communications</i> , 2012, 60, 1345-1356	6.9	93
72	Energy Efficiency Contours for Broadcast Channels Using Realistic Power Models. <i>IEEE Transactions on Wireless Communications</i> , 2012, 11, 4017-4025	9.6	1
71	Semi-Adaptive Beamforming for OFDM Based Hybrid Terrestrial-Satellite Mobile System. <i>IEEE Transactions on Wireless Communications</i> , 2012, 11, 3424-3433	9.6	26
70	A Very Tight Approximation of the SISO Energy Efficiency-Spectral Efficiency Trade-Off. <i>IEEE Communications Letters</i> , 2012, 16, 850-853	3.8	2
69	On Receiver Design for Uplink Low Density Signature OFDM (LDS-OFDM). <i>IEEE Transactions on Communications</i> , 2012, 60, 3499-3508	6.9	67
68	Energy efficiency of amplify-and-forward, repetition coding and parallel coding in short range communications 2012,		1
67	Acoustic and device feature fusion for load recognition 2012,		8
66	Implementation of Wireless Vision Sensor Node for Characterization of Particles in Fluids. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012, 22, 1634-1643	6.4	14
65	Architecture of wireless Visual Sensor Node with Region of Interest coding 2012,		4
64	Low Density Spreading for next generation multicarrier cellular systems 2012,		14
63	Energy Efficiency and Optimal Power Allocation in Virtual-MIMO Systems 2012,		10
62	Energy efficiency contours for amplify-and-forward and decode-and-forward cooperative protocols 2012,		4
61	Energy-Efficiency Based Resource Allocation for the Orthogonal Multi-User Channel 2012,		9

60	Non-intrusive load monitoring approaches for disaggregated energy sensing: a survey. <i>Sensors</i> , <b>2012</b> , 12, 16838-66	3.8	555
59	Energy-Efficient Power Allocation for Point-to-Point MIMO Systems over the Rayleigh Fading Channel. <i>IEEE Wireless Communications Letters</i> , <b>2012</b> , 1, 304-307	5.9	12
58	. <i>IEEE Transactions on Wireless Communications</i> , <b>2012</b> , 11, 556-561	9.6	64
57	Controlling self healing cellular networks using fuzzy logic <b>2012</b> ,		16
56	Architecture Exploration Based on Tasks Partitioning Between Hardware, Software and Locality for a Wireless Vision Sensor Node. <i>International Journal of Distributed Systems and Technologies</i> , <b>2012</b> , 3, 58-71	0.3	3
55	Distributed Load Balancing through Self Organisation of cell size in cellular systems <b>2012</b> ,		4
54	Flexible power modeling of LTE base stations <b>2012</b> ,		131
53	Online anomaly rate parameter tracking for anomaly detection in wireless sensor networks <b>2012</b> ,		9
52	Performance evaluation of Low Density Spreading Multiple Access <b>2012</b> ,		15
51	On the Energy Efficiency-Spectral Efficiency Trade-Off of the 2BS-DMIMO System <b>2012</b> ,		1
50	Eigenvalue Ratio Detection Based On Exact Moments of Smallest and Largest Eigenvalues <b>2011</b> ,		3
49	Cellular Energy Efficiency Evaluation Framework <b>2011</b> ,		133
48	Exploration of Tasks Partitioning between Hardware Software and Locality for a Wireless Camera Based Vision Sensor Node <b>2011</b> ,		11
47	H2-ARQ-Relaying: Spectrum and Energy Efficiency Perspectives. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2011</b> , 29, 1547-1558	14.2	15
46	Energy Efficiency Contours for Single-Carrier Downlink Channels. <i>IEEE Communications Letters</i> , <b>2011</b> , 15, 1307-1309	3.8	6
45	Relay Station Access Link Spectral Efficiency Optimization Through SO of Macro BS Tilts. <i>IEEE Communications Letters</i> , <b>2011</b> , 15, 1326-1328	3.8	10
44	. <i>IEEE Wireless Communications</i> , <b>2011</b> , 18, 40-49	13.4	951
43	Average Energy Efficiency Contours for Single Carrier AWGN MAC <b>2011</b> ,		3



42	Energy Aware Transmission in Cellular Uplink with Clustered Base Station Cooperation <b>2011</b> ,		2
41	An Accurate Closed-Form Approximation of the Energy Efficiency-Spectral Efficiency Trade-Off over the MIMO Rayleigh Fading Channel <b>2011</b> ,		7
40	Energy efficiency analysis of in-building MIMO AF communication <b>2011</b> ,		3
39	EXIT chart analysis for turbo LDS-OFDM receivers <b>2011</b> ,		5
38	Alamouti Transmit Diversity for Energy Efficient Femtocells <b>2011</b> ,		1
37	Energy Efficiency Analysis of Idealized Coordinated Multi-Point Communication System <b>2011</b> ,		15
36	The Energy Efficiency Analysis of HARQ in Hybrid Relaying Systems <b>2011</b> ,		3
35	Subcarrier and Power Allocation for LDS-OFDM System <b>2011</b> ,		15
34	Spatial Correlation Analysis of On-Body Radio Channels Considering Statistical Significance. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 780-783	3.8	13
33	Energy-aware adaptive sectorisation in LTE systems <b>2011</b> ,		7
32	<b>2011</b> ,		7
31	A SELF-ORGANIZED RESOURCE ALLOCATION USING INTER-CELL INTERFERENCE COORDINATION (ICIC) IN RELAY-ASSISTED CELLULAR NETWORKS. <i>ICTACT Journal on Communication Technology</i> , <b>2011</b> , 02, 300-313	0	8
30	Collaborative Spectrum Sensing Optimisation Algorithms for Cognitive Radio Networks. <i>International Journal of Digital Multimedia Broadcasting</i> , <b>2010</b> , 2010, 1-20	0.8	34
29	Optimization of uplink sum-rate for bin based clustered cellular system using a genetic algorithm <b>2010</b> ,		2
28	Exploration of target architecture for a wireless camera based sensor node <b>2010</b> ,		11
27	Ground Based and Onboard Based Beamforming for Hybrid Terrestrial-Satellite Mobile System <b>2010</b> ,		3
26	On the energy aware deployment strategy in cellular systems <b>2010</b> ,		10
25	Enablers for Energy Efficient Wireless Networks <b>2010</b> ,		26

24	Cell based fair resource allocation in fixed clustered cellular systems using a genetic algorithm <b>2010</b> ,		3
23	Information theoretic capacity of cellular multiple access channel with shadow fading. <i>IEEE Transactions on Communications</i> , <b>2010</b> , 58, 1468-1476	6.9	11
22	Capacity Limits of Base Station Cooperation in Cellular Networks <b>2010</b> , 102-132		
21	Uplink Capacity with Correlated Lognormal Shadow Fading <b>2009</b> ,		3
20	EARTH Energy Aware Radio and Network Technologies <b>2009</b> ,		60
19	Reduced-complexity multicell decoding systems with multiple antennas at the base station <b>2009</b> ,		1
18	Uplink capacity of a variable density cellular system with multicell processing. <i>IEEE Transactions on Communications</i> , <b>2009</b> , 57, 2098-2108	6.9	16
17	On the multicell processing capacity of the cellular MIMO uplink channel in correlated rayleigh fading environment. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 3704-3715	9.6	61
16	OFDM based adaptive beamforming for hybrid terrestrial-satellite mobile system with pilot reallocation <b>2009</b> ,		4
15	On the Ergodic Capacity of the Wideband MIMO Channel <b>2009</b> ,		1
14	Capacity Limits in Cooperative Cellular Systems. <i>Wireless Networks and Mobile Communications</i> , <b>2009</b> ,		1
13	On the Capacity of Variable Density Cellular Systems under Multicell Decoding. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 496-498	3.8	20
12	The effect of user distribution on a linear Cellular Multiple-Access Channel <b>2008</b> ,		3
11	Optimal information theoretic capacity of the planar cellular uplink channel <b>2008</b> ,		11
10	Information Theoretic Uplink Capacity of the Linear Cellular Array <b>2008</b> ,		1
9	Uplink Coverage-Capacity Estimation Using Analysis and Simulation <b>2008</b> ,		1
8	Uplink capacity of MIMO cellular systems with multicell processing <b>2008</b> ,		4
7	Component Based Proactive Fault Tolerant Scheduling in Computational Grid <b>2007</b> ,		3

6	How much energy is needed to run a wireless network?359-384		10
5	Mobile Technologies for Managing Non-Communicable Diseases in Developing Countries. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> ,261-287	0.2	7
4	Edge Intelligence in Private Mobile Networks for Next-Generation Railway Systems. <i>Frontiers in Communications and Networks</i> ,2,	3.3	2
3	Self-organized ICIC for SCN393-424		
2	Energy-Efficient Mobile Network Design and Planning97-118		1
1	Mobility Prediction Based Resource Management1-18		1