

# Sergey Andreev

## List of Publications by Year in descending order

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248  
papers

6,201  
citations

101384

36  
h-index

128067

60  
g-index

256  
all docs

256  
docs citations

256  
times ranked

5366  
citing authors

#	ARTICLE	IF	CITATIONS
1	LPWAN Coverage Assessment Planning Without Explicit Knowledge of Base Station Locations. IEEE Internet of Things Journal, 2022, 9, 4031-4050.	5.5	4
2	Modeling of SHF/EHF Radio-Wave Scattering for Curved Surfaces With Voxel Cone Tracing. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 426-430.	2.4	1
3	Characterizing throughput and convergence time in dynamic multi-connectivity 5G deployments. Computer Communications, 2022, 187, 45-58.	3.1	5
4	Enhancing Uplink Performance of NR RedCap in Industrial 5G/B5G Systems. , 2022, , .		2
5	An Efficient and Scalable Simulation Model for Autonomous Vehicles With Economical Hardware. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1718-1732.	4.7	15
6	Broadcasting Services Over 5G NR Enabled Multi-Beam Non-Terrestrial Networks. IEEE Transactions on Broadcasting, 2021, 67, 33-45.	2.5	24
7	Line-of-Sight Probability for mmWave-Based UAV Communications in 3D Urban Grid Deployments. IEEE Transactions on Wireless Communications, 2021, 20, 6566-6579.	6.1	37
8	Joint Use of Guard Capacity and Multiconnectivity for Improved Session Continuity in Millimeter-Wave 5G NR Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 2657-2672.	3.9	13
9	Understanding UAV-Based WPCN-Aided Capabilities for Offshore Monitoring Applications. IEEE Wireless Communications, 2021, 28, 114-120.	6.6	7
10	Performance Analysis of Multi-Band Microwave and Millimeter-Wave Operation in 5G NR Systems. IEEE Transactions on Wireless Communications, 2021, 20, 3475-3490.	6.1	17
11	Self-Interference Assessment and Mitigation in 3GPP IAB Deployments. , 2021, , .		6
12	Cellular Connectivity and Wearable Technology Enablers for Industrial Mid-End Applications. IEEE Communications Magazine, 2021, 59, 61-67.	4.9	5
13	System-Level Dynamics of Highly Directional Distributed Networks. IEEE Wireless Communications Letters, 2021, 10, 1523-1527.	3.2	1
14	Coexistence Analysis of 5G NR Unlicensed and WiGig in Millimeter-Wave Spectrum. IEEE Transactions on Vehicular Technology, 2021, 70, 11721-11735.	3.9	10
15	Performance Evaluation of Dynamic Computation Offloading Capability for Industrial Wearables. , 2021, , .		2
16	Spatially-Consistent Human Body Blockage Modeling: A State Generation Procedure. IEEE Transactions on Mobile Computing, 2020, 19, 2221-2233.	3.9	11
17	Performance Analysis of Onshore NB-IoT for Container Tracking During Near-the-Shore Vessel Navigation. IEEE Internet of Things Journal, 2020, 7, 2928-2943.	5.5	22
18	Characterizing Radio Wave Propagation in Urban Street Canyon With Vehicular Blockage at 28GHz. IEEE Transactions on Vehicular Technology, 2020, 69, 1227-1236.	3.9	16

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19	Session-Level Reliability Analysis for Multi-Service Communication in Autonomous Vehicular Fleets. IEEE Access, 2020, 8, 174629-174642.	2.6	3
20	Handling Spontaneous Traffic Variations in 5G+ via Offloading Onto mmWave-Capable UAV "Bridges". IEEE Transactions on Vehicular Technology, 2020, 69, 10070-10084.	3.9	11
21	Reinforcement Learning for Improved UAV-Based Integrated Access and Backhaul Operation. , 2020, , .		8
22	Hover or Perch: Comparing Capacity of Airborne and Landed Millimeter-Wave UAV Cells. IEEE Wireless Communications Letters, 2020, 9, 2059-2063.	3.2	12
23	Communication Performance of a Real-Life Wide-Area Low-Power Network Based on Sigfox Technology. , 2020, , .		5
24	Comparing Capacity Gains of Static and UAV-Based Millimeter-Wave Relays in Clustered Deployments. , 2020, , .		2
25	Reliability of UAV Connectivity in Dual-MNO Networks: A Performance Measurement Campaign. , 2020, , .		6
26	Modeling System-Level Dynamics of Direct XR Sessions over mmWave Links. , 2020, , .		3
27	UAV-Aided Interference Assessment for Private 5G NR Deployments: Challenges and Solutions. IEEE Communications Magazine, 2020, 58, 89-95.	4.9	16
28	Non-Terrestrial Networks in 5G & Beyond: A Survey. IEEE Access, 2020, 8, 165178-165200.	2.6	172
29	Learning-Aided Multi-RAT Operation for Battery Lifetime Extension in LPWAN Systems. , 2020, , .		4
30	Privacy versus Location Accuracy in Opportunistic Wearable Networks. , 2020, , .		3
31	Characterizing Resource Allocation Trade-Offs in 5G NR Serving Multicast and Unicast Traffic. IEEE Transactions on Wireless Communications, 2020, 19, 3421-3434.	6.1	31
32	Applying Blockchain Technology for User Incentivization in mmWave-Based Mesh Networks. IEEE Access, 2020, 8, 50983-50994.	2.6	13
33	On the Performance of Multi-Gateway LoRaWAN Deployments: An Experimental Study. , 2020, , .		9
34	Aerial Access and Backhaul in mmWave B5G Systems: Performance Dynamics and Optimization. IEEE Communications Magazine, 2020, 58, 93-99.	4.9	53
35	Ray-Based Modeling of Directional Millimeter-Wave V2V Transmissions in Highway Scenarios. IEEE Access, 2020, 8, 54482-54493.	2.6	10
36	Internet of Things and Sensor Networks. IEEE Communications Magazine, 2020, 58, 74-74.	4.9	12

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37	Networking and Positioning Co-Design in Multi-Connectivity Industrial mmW Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 15842-15856.	3.9	8
38	Time-Dependent Propagation Analysis and Modeling of LPWAN Technologies. , 2020, , .		3
39	Improving Session Continuity With Bandwidth Reservation in mmWave Communications. IEEE Wireless Communications Letters, 2019, 8, 105-108.	3.2	17
40	Analyzing Competition and Cooperation Dynamics of the Aerial mmWave Access Market. IEEE Access, 2019, 7, 87192-87211.	2.6	2
41	5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT. IEEE Communications Magazine, 2019, 57, 92-98.	4.9	45
42	On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands. IEEE Wireless Communications, 2019, 26, 146-153.	6.6	66
43	Action-Oriented Programming Model: Collective Executions and Interactions in the Fog. Journal of Systems and Software, 2019, 157, 110391.	3.3	15
44	Modeling mmWave Channels in High-Fidelity Simulations of Unmanned Aerial Systems. , 2019, , .		1
45	Designing High-Speed Directional Communication Capabilities for Unmanned Surface Vehicles. , 2019, , .		1
46	Quantifying the Impact of Guard Capacity on Session Continuity in 3GPP New Radio Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 12345-12359.	3.9	24
47	Capacity of Multiconnectivity mmWave Systems With Dynamic Blockage and Directional Antennas. IEEE Transactions on Vehicular Technology, 2019, 68, 3534-3549.	3.9	46
48	Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells. IEEE Communications Magazine, 2019, 57, 86-92.	4.9	94
49	Energy Efficiency of Multi-Radio Massive Machine-Type Communication (MR-MMTC): Applications, Challenges, and Solutions. IEEE Communications Magazine, 2019, 57, 100-106.	4.9	35
50	Integrated Use of Licensed- and Unlicensed-Band mmWave Radio Technology in 5G and Beyond. IEEE Access, 2019, 7, 24376-24391.	2.6	38
51	Challenges of Multi-Factor Authentication for Securing Advanced IoT Applications. IEEE Network, 2019, 33, 82-88.	4.9	79
52	Socially Inspired Relaying and Proactive Mode Selection in mmWave Vehicular Communications. IEEE Internet of Things Journal, 2019, 6, 5172-5183.	5.5	14
53	Geometry-Based V2V Channel Modeling over Millimeter-Wave in Highway Scenarios. , 2019, , .		2
54	V2X Connectivity: From LTE to Joint Millimeter Wave Vehicular Communications and Radar Sensing. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
55	Facilitating mmWave Mesh Reliability in PPDR Scenarios Utilizing Artificial Intelligence. IEEE Access, 2019, 7, 180700-180712.	2.6	9
56	Multi-Radio Perspectives for Massive MTC Localization: Energy Consumption and Utility. , 2019, , .		3
57	Analysis of 3D Deafness Effects in Highly Directional mmWave Communications. , 2019, , .		12
58	Analysis of Intelligent Vehicular Relaying in Urban 5G+ Millimeter-Wave Cellular Deployments. , 2019, , .		13
59	Evaluating SIR in 3D Millimeter-Wave Deployments: Direct Modeling and Feasible Approximations. IEEE Transactions on Wireless Communications, 2019, 18, 879-896.	6.1	37
60	On the Degree of Multi-Connectivity in 5G Millimeter-Wave Cellular Urban Deployments. IEEE Transactions on Vehicular Technology, 2019, 68, 1973-1978.	3.9	50
61	Wirelessly Powered Crowd Sensing: Joint Power Transfer, Sensing, Compression, and Transmission. IEEE Journal on Selected Areas in Communications, 2019, 37, 391-406.	9.7	49
62	When IoT Keeps People in the Loop: A Path Towards a New Global Utility. IEEE Communications Magazine, 2019, 57, 114-121.	4.9	57
63	Performance of mmWave-Based Mesh Networks in Indoor Environments with Dynamic Blockage. Lecture Notes in Computer Science, 2019, , 129-140.	1.0	2
64	Safe, Secure Executions at the Network Edge: Coordinating Cloud, Edge, and Fog Computing. IEEE Software, 2018, 35, 30-37.	2.1	51
65	Technologies for Efficient Amateur Drone Detection in 5G Millimeter-Wave Cellular Infrastructure. IEEE Communications Magazine, 2018, 56, 43-50.	4.9	87
66	Delivering Fairness and QoS Guarantees for LTE/Wi-Fi Coexistence Under LAA Operation. IEEE Access, 2018, 6, 7359-7373.	2.6	34
67	Resource allocation and sharing for heterogeneous data collection over conventional 3GPP LTE and emerging NB-IoT technologies. Computer Communications, 2018, 120, 93-101.	3.1	33
68	Achieving End-to-End Reliability of Mission-Critical Traffic in Softwarized 5G Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 485-501.	9.7	94
69	Modeling Transmit Power Reduction for a Typical Cell With Licensed Shared Access Capabilities. IEEE Transactions on Vehicular Technology, 2018, 67, 5505-5509.	3.9	7
70	Vehicle-Based Relay Assistance for Opportunistic Crowdsensing Over Narrowband IoT (NB-IoT). IEEE Internet of Things Journal, 2018, 5, 3710-3723.	5.5	111
71	Improved Network Coverage with Adaptive Navigation of mmWave-Based Drone-Cells. , 2018, , .		12
72	Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth. , 2018, , .		11

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73	Tailoring NB-IoT for Mass Market Applications: A Mobile Operator's Perspective. , 2018, , .		10
74	System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic. International Journal of Sensor Networks, 2018, 26, 269.	0.2	19
75	Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT. IEEE Communications Magazine, 2018, 56, 142-148.	4.9	36
76	Concept design and performance evaluation of UAV-based backhaul link with antenna steering. Journal of Communications and Networks, 2018, 20, 473-483.	1.8	21
77	An Analytical Representation of the 3GPP 3D Channel Model Parameters for mmWave Bands. , 2018, , .		8
78	Empirical Effects of Dynamic Human-Body Blockage in 60 GHz Communications. IEEE Communications Magazine, 2018, 56, 60-66.	4.9	183
79	A Concise Review of 5G New Radio Capabilities for Directional Access at mmWave Frequencies. Lecture Notes in Computer Science, 2018, , 340-354.	1.0	12
80	Breaking the Limits in Urban Video Monitoring: Massive Crowd Sourced Surveillance over Vehicles. IEEE Wireless Communications, 2018, 25, 104-112.	6.6	7
81	Performance Limitations of Parsing Libraries: State-of-the-Art and Future Perspectives. Lecture Notes in Computer Science, 2018, , 405-418.	1.0	0
82	A Practical Perspective on 5G-Ready Highly Dynamic Spectrum Management with LSA. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	0.8	5
83	Flexible and Reliable UAV-Assisted Backhaul Operation in 5G mmWave Cellular Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2486-2496.	9.7	148
84	Performance Evaluation of UAV-Assisted mmWave Operation in Mobility-Enabled Urban Deployments. , 2018, , .		14
85	Caching-Aided Collaborative D2D Operation for Predictive Data Dissemination in Industrial IoT. IEEE Wireless Communications, 2018, 25, 50-57.	6.6	38
86	Dynamic Resource Sharing in 5G with LSA: Criteria-Based Management Framework. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	0.8	15
87	Ray-Based Evaluation of Dual-Polarized MIMO in (Ultra-)Dense Millimeter-Wave Urban Deployments. , 2018, , .		1
88	A Multi-Purpose Automated Vehicular Platform with Multi-Radio Connectivity Capabilities. , 2018, , .		0
89	Multi-RAT LPWAN in Smart Cities: Trial of LoRaWAN and NB-IoT Integration. , 2018, , .		31
90	Multi-Factor Authentication: A Survey. Cryptography, 2018, 2, 1.	1.4	194

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91	Effects of Blockage in Deploying mmWave Drone Base Stations for 5G Networks and Beyond. , 2018, , .		32
92	Optimizing Wirelessly Powered Crowd Sensing: Trading Energy for Data. , 2018, , .		4
93	Analyzing Effects of Directionality and Random Heights in Drone-Based mmWave Communication. IEEE Transactions on Vehicular Technology, 2018, 67, 10064-10069.	3.9	54
94	Wirelessly Powered Urban Crowd Sensing over Wearables: Trading Energy for Data. IEEE Wireless Communications, 2018, 25, 140-149.	6.6	26
95	Mobility-Centric Analysis of Communication Offloading for Heterogeneous Internet of Things Devices. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	0.8	16
96	Improving Initial Access Reliability of 5G mmWave Cellular in Massive V2X Communications Scenarios. , 2018, , .		7
97	Upper bound on capacity of 5G mmWave cellular with multi-connectivity capabilities. Electronics Letters, 2018, 54, 724-726.	0.5	30
98	Characterization of mmWave Channel Properties at 28 and 60 GHz in Factory Automation Deployments. , 2018, , .		38
99	Correction to: Internet of Things, Smart Spaces, and Next Generation Networks and Systems. Lecture Notes in Computer Science, 2018, , E1-E1.	1.0	0
100	Analytical performance estimation of network-assisted D2D communications in urban scenarios with rectangular cells. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2999.	2.6	10
101	Characterization of Radio Links at 60 GHz Using Simple Geometrical and Highly Accurate 3-D Models. IEEE Transactions on Vehicular Technology, 2017, 66, 4647-4656.	3.9	15
102	Effects of Heterogeneous Mobility on D2D- and Drone-Assisted Mission-Critical MTC in 5G. , 2017, 55, 79-87.		124
103	Mobile Social Networking Under Side-Channel Attacks: Practical Security Challenges. IEEE Access, 2017, 5, 2591-2601.	2.6	17
104	Leveraging heterogeneous device connectivity in a converged 5G-IoT ecosystem. Computer Networks, 2017, 128, 123-132.	3.2	16
105	Time-Dependent SIR Analysis in Shopping Malls Using Fractal-Based Mobility Models. Lecture Notes in Computer Science, 2017, , 16-25.	1.0	4
106	Adaptive Resource Management Strategy in Practical Multi-Radio Heterogeneous Networks. IEEE Access, 2017, 5, 219-235.	2.6	20
107	Toward Massive Ray-Based Simulations of mmWave Small Cells on Open Urban Maps. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1435-1438.	2.4	3
108	Multi-channel random access with replications. , 2017, , .		6

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109	Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems. IEEE Wireless Communications, 2017, 24, 14-22.	6.6	12
110	A SyMPHOnY of Integrated IoT Businesses: Closing the Gap between Availability and Adoption. , 2017, 55, 156-164.		19
111	Dynamic Multi-Connectivity Performance in Ultra-Dense Urban mmWave Deployments. IEEE Journal on Selected Areas in Communications, 2017, 35, 2038-2055.	9.7	98
112	Facilitating the Delegation of Use for Private Devices in the Era of the Internet of Wearable Things. IEEE Internet of Things Journal, 2017, 4, 843-854.	5.5	44
113	Modeling Unreliable Operation of mmWave-Based Data Sessions in Mission-Critical PPDR Services. IEEE Access, 2017, 5, 20536-20544.	2.6	7
114	Flexible Spectrum Management in a Smart City Within Licensed Shared Access Framework. IEEE Access, 2017, 5, 22252-22261.	2.6	18
115	On the Temporal Effects of Mobile Blockers in Urban Millimeter-Wave Cellular Scenarios. IEEE Transactions on Vehicular Technology, 2017, 66, 10124-10138.	3.9	101
116	Analyzing Effects of Directional Deafness on mmWave Channel Access in Unlicensed Bands. , 2017, , .		8
117	Upper bound and approximation of random access throughput over chase combining HARQ. , 2017, , .		0
118	Comparative evaluation of radio propagation properties at 15 GHz and 60 GHz frequencies. , 2017, , .		2
119	Detailed Interference Analysis in Dense mmWave Systems Employing Dual-Polarized Antennas. , 2017, , .		2
120	Emerging 5G applications over mmWave: Hands-on assessment of WiGig radios. , 2017, , .		10
121	Secure and Connected Wearable Intelligence for Content Delivery at a Mass Event: A Case Study. Journal of Sensor and Actuator Networks, 2017, 6, 5.	2.3	5
122	Reliability-Centric Analysis of Offloaded Computation in Cooperative Wearable Applications. Wireless Communications and Mobile Computing, 2017, 2017, 1-15.	0.8	20
123	Modeling Three-Dimensional Interference and SIR in Highly Directional mmWave Communications. , 2017, , .		4
124	Networking Solutions for Integrated Heterogeneous Wireless Ecosystem. , 2017, , .		3
125	Comparing Customer Taste Distributions in Vertically Differentiated Mobile Service Markets. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 141-153.	0.2	1
126	Time-Dependent SIR Modeling For D2D Communications In Indoor Deployments. , 2017, , .		14



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127	Periodically gated vacation model and its application to IEEE 802.16 network. <i>Annals of Operations Research</i> , 2016, 239, 497-520.	2.6	2
128	A Harmonized Perspective on Transportation Management in Smart Cities: The Novel IoT-Driven Environment for Road Traffic Modeling. <i>Sensors</i> , 2016, 16, 1872.	2.1	67
129	Characterizing the Impact of Diffuse Scattering in Urban Millimeter-Wave Deployments. <i>IEEE Wireless Communications Letters</i> , 2016, 5, 432-435.	3.2	22
130	A Novel Stochastic Channel Modeling Approach for mmWave Systems with Beamforming. , 2016, , .		1
131	Experimental Evaluation of Dynamic Licensed Shared Access Operation in Live 3GPP LTE System. , 2016, , .		6
132	D2D communications for mobile devices: Technology overview and prototype implementation. , 2016, , .		6
133	Improving reliability of replicated message delivery in cellular machine-type communications. , 2016, , .		1
134	Modeling the utilization of a multi-tenant band in 3GPP LTE system with Licensed Shared Access. , 2016, , .		7
135	Remote management of intelligent devices: Using TR-069 protocol in IoT. , 2016, , .		5
136	Characterizing Spatial Correlation of Blockage Statistics in Urban mmWave Systems. , 2016, , .		40
137	Dynamic Social Trust Associations over D2D Communications: An Implementation Perspective. , 2016, , .		3
138	A novel security-centric framework for D2D connectivity based on spatial and social proximity. <i>Computer Networks</i> , 2016, 107, 327-338.	3.2	26
139	Implementing a Broadcast Storm Attack on a Mission-Critical Wireless Sensor Network. <i>Lecture Notes in Computer Science</i> , 2016, , 297-308.	1.0	29
140	Feasibility characterization of cryptographic primitives for constrained (wearable) IoT devices. , 2016, , .		48
141	Highly dynamic spectrum management within licensed shared access regulatory framework. , 2016, 54, 100-109.		42
142	Assessing System-Level Energy Efficiency of mmWave-Based Wearable Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2016, 34, 923-937.	9.7	12
143	A unifying perspective on proximity-based cellular-assisted mobile social networking. , 2016, 54, 108-116.		23
144	On feasibility of 5G-grade dedicated RF charging technology for wireless-powered wearables. <i>IEEE Wireless Communications</i> , 2016, 23, 28-37.	6.6	51

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145	Implementing secure network-assisted D2D framework in live 3GPP LTE deployment. , 2016, , .		13
146	Dynamic Trust Management Framework for Robotic Multi-Agent Systems. Lecture Notes in Computer Science, 2016, , 339-348.	1.0	3
147	Random-access latency optimization and stability of highly-populated LTE-based M2M deployments. , 2016, , .		5
148	Implementation of True IoT Vision: Survey on Enabling Protocols and Hands-On Experience. International Journal of Distributed Sensor Networks, 2016, 12, 8160282.	1.3	30
149	Flexible Dual-Connectivity Spectrum Aggregation for Decoupled Uplink and Downlink Access in 5G Heterogeneous Systems. IEEE Journal on Selected Areas in Communications, 2016, 34, 2851-2865.	9.7	40
150	Optimizing Network-Assisted WLAN Systems with Aggressive Channel Utilization. Lecture Notes in Computer Science, 2016, , 217-229.	1.0	0
151	Analysis of human-body blockage in urban millimeter-wave cellular communications. , 2016, , .		136
152	Exploring synergy between communications, caching, and computing in 5G-grade deployments. , 2016, 54, 60-69.		63
153	Toward trusted, social-aware D2D connectivity: bridging across the technology and sociality realms. IEEE Wireless Communications, 2016, 23, 103-111.	6.6	55
154	Direct Connection on the Move: Characterization of User Mobility in Cellular-Assisted D2D Systems. IEEE Vehicular Technology Magazine, 2016, 11, 38-48.	2.8	29
155	Dynamic Trust Associations Over Socially-Aware D2D Technology: A Practical Implementation Perspective. IEEE Access, 2016, 4, 7692-7702.	2.6	16
156	Machine-to-Machine Communications Over FiWi Enhanced LTE Networks: A Power-Saving Framework and End-to-End Performance. Journal of Lightwave Technology, 2016, 34, 1062-1071.	2.7	26
157	Random Triangle: A Baseline Model for Interference Analysis in Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6778-6782.	3.9	8
158	A Trial of Yoking-Proof Protocol in RFID-based Smart-Home Environment. Communications in Computer and Information Science, 2016, , 25-34.	0.4	3
159	Wireless M-BUS: An Attractive M2M Technology for 5G-Grade Home Automation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 144-156.	0.2	6
160	Securing Network-Assisted Direct Communication: The Case of Unreliable Cellular Connectivity. , 2015, , .		17
161	Prioritized Centrally-Controlled Resource Allocation in Integrated Multi-RAT HetNets. , 2015, , .		4
162	3GPP LTE-Assisted Wi-Fi-Direct: Trial Implementation of Live D2D Technology. ETRI Journal, 2015, 37, 877-887.	1.2	34

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163	Assisted Handover Based on Device-to-Device Communications in 3GPP LTE Systems. , 2015, , .		16
164	On feasibility of coding-based 3GPP LTE coverage enhancements for MTC. , 2015, , .		1
165	LTE performance analysis using queuing systems with finite resources and random requirements. , 2015, , .		12
166	A capacity bound for mmWave-based channel access in ultra-dense wearable deployments. , 2015, , .		1
167	User's happiness in numbers: Understanding mobile YouTube quality expectations. , 2015, , .		5
168	On predicting video quality expectations of mobile users. , 2015, , .		2
169	Service failure and interruption probability analysis for Licensed Shared Access regulatory framework. , 2015, , .		17
170	Feasibility analysis of ITU-T P.1201 Amd.2 standard for video on demand services. , 2015, , .		3
171	Understanding Practical Limitations of Network Coding for Assisted Proximate Communication. IEEE Journal on Selected Areas in Communications, 2015, 33, 156-170.	9.7	31
172	Analyzing Assisted Offloading of Cellular User Sessions onto D2D Links in Unlicensed Bands. IEEE Journal on Selected Areas in Communications, 2015, 33, 67-80.	9.7	97
173	Simplified Probabilistic Modelling and Analysis of Enhanced Distributed Coordination Access in IEEE 802.11. Computer Journal, 2015, 58, 1456-1468.	1.5	3
174	Communication challenges in high-density deployments of wearable wireless devices. IEEE Wireless Communications, 2015, 22, 12-18.	6.6	69
175	Cooperative Radio Resource Management in Heterogeneous Cloud Radio Access Networks. IEEE Access, 2015, 3, 397-406.	2.6	144
176	5G Multi-RAT LTE-WiFi Ultra-Dense Small Cells: Performance Dynamics, Architecture, and Trends. IEEE Journal on Selected Areas in Communications, 2015, 33, 1224-1240.	9.7	149
177	Understanding the IoT connectivity landscape: a contemporary M2M radio technology roadmap. , 2015, 53, 32-40.		228
178	Smart home gateway system over Bluetooth low energy with wireless energy transfer capability. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	40
179	On Capturing Spatial Diversity of Joint M2M/H2H Dynamic Uplink Transmissions in 3GPP LTE Cellular System. Lecture Notes in Computer Science, 2015, , 407-421.	1.0	7
180	An Analytical Approach to SINR Estimation in Adjacent Rectangular Cells. Lecture Notes in Computer Science, 2015, , 446-458.	1.0	6

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181	On the benefits of 5G wireless technology for future mobile cloud computing. , 2014, , .		15
182	Optimizing energy efficiency of a multi-radio mobile device in heterogeneous beyond-4G networks. Performance Evaluation, 2014, 78, 18-41.	0.9	18
183	Network-assisted D2D communications: Implementing a technology prototype for cellular traffic offloading. , 2014, , .		33
184	Intelligent access network selection in converged multi-radio heterogeneous networks. IEEE Wireless Communications, 2014, 21, 86-96.	6.6	91
185	Two approaches to analyzing dynamic cellular networks with limited resources. , 2014, , .		10
186	On the optimal assisted rate allocation in N-tier multi-RAT heterogeneous networks. , 2014, , .		3
187	Energy efficient power allocation in a multi-radio mobile device with wireless energy harvesting. , 2014, , .		0
188	Revisiting Assumptions in Backoff Process Modeling and Queueing Analysis of Wireless Local Area Networks (WLANs). Computer Journal, 2014, 57, 924-938.	1.5	3
189	Modeling unreliable LSA operation in 3GPP LTE cellular networks. , 2014, , .		16
190	Multi-radio heterogeneous networks: Architectures and performance. , 2014, , .		41
191	Predicting user QoE satisfaction in current mobile networks. , 2014, , .		12
192	Capturing Spatial Randomness of Heterogeneous Cellular/WLAN Deployments With Dynamic Traffic. IEEE Journal on Selected Areas in Communications, 2014, 32, 1083-1099.	9.7	45
193	Cellular traffic offloading onto network-assisted device-to-device connections. , 2014, 52, 20-31.		188
194	Analyzing the overload of 3GPP LTE system by diverse classes of connected-mode MTC devices. , 2014, , .		13
195	Modeling contention-based M2M transmissions over 3GPP LTE cellular networks. , 2014, , .		6
196	Delivering uniform connectivity and service experience to converged 5G wireless networks. , 2014, , .		3
197	Network-Assisted D2D Over WiFi Direct. , 2014, , 165-218.		8
198	Wireless Sensor Network Based Smart Home System over BLE with Energy Harvesting Capability. Lecture Notes in Computer Science, 2014, , 419-432.	1.0	2

#	ARTICLE	IF	CITATIONS
199	Characterizing the effect of packet losses in current WLAN Deployments. , 2013, , .		9
200	Impact of machine-type communications on energy and delay performance of random access channel in LTE-Advanced. Transactions on Emerging Telecommunications Technologies, 2013, 24, 366-377.	2.6	54
201	Efficient small data access for machine-type communications in LTE. , 2013, , .		56
202	Analytic evaluation of power saving in cooperative communication. , 2013, , .		1
203	Characterizing performance of load-aware network selection in multi-radio (WiFi/LTE) heterogeneous networks. , 2013, , .		28
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