

Dmitri Moltchanov

List of Publications by Year in descending order

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Version: 2024-02-01

186
papers

4,108
citations

159358

30
h-index

168136

53
g-index

192
all docs

192
docs citations

192
times ranked

3358
citing authors

#	ARTICLE	IF	CITATIONS
1	Distance distributions in random networks. <i>Ad Hoc Networks</i> , 2012, 10, 1146-1166.	3.4	456
2	Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas. <i>IEEE Transactions on Wireless Communications</i> , 2017, 16, 1791-1808.	6.1	180
3	Flexible and Reliable UAV-Assisted Backhaul Operation in 5G mmWave Cellular Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2018, 36, 2486-2496.	9.7	148
4	Cooperative Radio Resource Management in Heterogeneous Cloud Radio Access Networks. <i>IEEE Access</i> , 2015, 3, 397-406.	2.6	144
5	Analysis of human-body blockage in urban millimeter-wave cellular communications. , 2016, , .		136
6	Effects of Heterogeneous Mobility on D2D- and Drone-Assisted Mission-Critical MTC in 5G. , 2017, 55, 79-87.		124
7	Vehicle-Based Relay Assistance for Opportunistic Crowdsensing Over Narrowband IoT (NB-IoT). <i>IEEE Internet of Things Journal</i> , 2018, 5, 3710-3723.	5.5	111
8	Capacity and throughput analysis of nanoscale machine communication through transparency windows in the terahertz band. <i>Nano Communication Networks</i> , 2014, 5, 72-82.	1.6	105
9	Terahertz band communications: Applications, research challenges, and standardization activities. , 2016, , .		104
10	On the Temporal Effects of Mobile Blockers in Urban Millimeter-Wave Cellular Scenarios. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 10124-10138.	3.9	101
11	Dynamic Multi-Connectivity Performance in Ultra-Dense Urban mmWave Deployments. <i>IEEE Journal on Selected Areas in Communications</i> , 2017, 35, 2038-2055.	9.7	98
12	Achieving End-to-End Reliability of Mission-Critical Traffic in Softwarized 5G Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2018, 36, 485-501.	9.7	94
13	On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands. <i>IEEE Wireless Communications</i> , 2019, 26, 146-153.	6.6	66
14	Last Meter Indoor Terahertz Wireless Access: Performance Insights and Implementation Roadmap. , 2018, 56, 158-165.		63
15	The Impact of Interference From the Side Lanes on mmWave/THz Band V2V Communication Systems With Directional Antennas. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 5028-5041.	3.9	60
16	When IoT Keeps People in the Loop: A Path Towards a New Global Utility. <i>IEEE Communications Magazine</i> , 2019, 57, 114-121.	4.9	57
17	Toward trusted, social-aware D2D connectivity: bridging across the technology and sociality realms. <i>IEEE Wireless Communications</i> , 2016, 23, 103-111.	6.6	55
18	Analyzing Effects of Directionality and Random Heights in Drone-Based mmWave Communication. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 10064-10069.	3.9	54

#	ARTICLE	IF	CITATIONS
19	Aerial Access and Backhaul in mmWave B5G Systems: Performance Dynamics and Optimization. IEEE Communications Magazine, 2020, 58, 93-99.	4.9	53
20	Interference and SINR in Dense Terahertz Networks. , 2015, , .		51
21	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
22	Capacity of Multiconnectivity mmWave Systems With Dynamic Blockage and Directional Antennas. IEEE Transactions on Vehicular Technology, 2019, 68, 3534-3549.	3.9	46
23	5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT. IEEE Communications Magazine, 2019, 57, 92-98.	4.9	45
24	Channel Measurements and Modeling for Low-Terahertz Band Vehicular Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 1590-1603.	9.7	45
25	Characterizing Spatial Correlation of Blockage Statistics in Urban mmWave Systems. , 2016, , .		40
26	Exploiting Multipath Terahertz Communications for Physical Layer Security in Beyond 5G Networks. , 2019, , .		40
27	Caching-Aided Collaborative D2D Operation for Predictive Data Dissemination in Industrial IoT. IEEE Wireless Communications, 2018, 25, 50-57.	6.6	38
28	Integrated Use of Licensed- and Unlicensed-Band mmWave Radio Technology in 5G and Beyond. IEEE Access, 2019, 7, 24376-24391.	2.6	38
29	Evaluating SIR in 3D Millimeter-Wave Deployments: Direct Modeling and Feasible Approximations. IEEE Transactions on Wireless Communications, 2019, 18, 879-896.	6.1	37
30	Capacity and Outage of Terahertz Communications With User Micro-Mobility and Beam Misalignment. IEEE Transactions on Vehicular Technology, 2020, 69, 6822-6827.	3.9	37
31	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
32	Delivering Fairness and QoS Guarantees for LTE/Wi-Fi Coexistence Under LAA Operation. IEEE Access, 2018, 6, 7359-7373.	2.6	34
33	A Tutorial on Mathematical Modeling of 5G/6G Millimeter Wave and Terahertz Cellular Systems. IEEE Communications Surveys and Tutorials, 2022, 24, 1072-1116.	24.8	34
34	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
35	Cross-layer modeling of wireless channels for data-link and IP layer performance evaluation. Computer Communications, 2006, 29, 827-841.	3.1	32
36	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

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37	Upper bound on capacity of 5G mmWave cellular with multi-connectivity capabilities. Electronics Letters, 2018, 54, 724-726.	0.5	30
38	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
39	A novel security-centric framework for D2D connectivity based on spatial and social proximity. Computer Networks, 2016, 107, 327-338.	3.2	26
40	Applicability assessment of terahertz information showers for next-generation wireless networks. , 2016, , .		25
41	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
42	Measurements of Reflection and Penetration Losses in Low Terahertz Band Vehicular Communications. , 2020, , .		24
43	The effect of small-scale mobility on terahertz band communications. , 2018, , .		24
44	Loss performance model for wireless channels with autocorrelated arrivals and losses. Computer Communications, 2006, 29, 2646-2660.	3.1	22
45	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
46	On the Efficiency of Spatial Channel Reuse in Ultra-Dense THz Networks. , 2015, , .		21
47	Adaptive Resource Management Strategy in Practical Multi-Radio Heterogeneous Networks. IEEE Access, 2017, 5, 219-235.	2.6	20
48	Forward and Reverse coding for chromosome transfer in bacterial nanonetworks. Nano Communication Networks, 2014, 5, 15-24.	1.6	19
49	A molecular noise model for THz channels. , 2015, , .		19
50	Interference Analysis of EHF/THF Communications Systems with Blocking and Directional Antennas. , 2016, , .		19
51	Performance response of wireless channels for quantitatively different loss and arrival statistics. Performance Evaluation, 2010, 67, 1-27.	0.9	18
52	Modeling TCP SACK performance over wireless channels with completely reliable ARQ/FEC. International Journal of Communication Systems, 2011, 24, 1533-1564.	1.6	18
53	A study of TCP performance in wireless environment using fixed-point approximation. Computer Networks, 2012, 56, 1263-1285.	3.2	18
54	Performance models for wireless channels. Computer Science Review, 2010, 4, 153-184.	10.2	17

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55	Improving Session Continuity With Bandwidth Reservation in mmWave Communications. IEEE Wireless Communications Letters, 2019, 8, 105-108.	3.2	17
56	Accuracy Assessment and Cross-Validation of LPWAN Propagation Models in Urban Scenarios. IEEE Access, 2020, 8, 154625-154636.	2.6	17
57	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
58	Energy efficient wireless sensor networks using linear-programming optimization of the communication schedule. Journal of Communications and Networks, 2015, 17, 184-197.	1.8	16
59	Assisted Handover Based on Device-to-Device Communications in 3GPP LTE Systems. , 2015, , .		16
60	Mobility-Centric Analysis of Communication Offloading for Heterogeneous Internet of Things Devices. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	0.8	16
61	Performance Assessment of QoS-Aware LTE Sessions Offloading Onto LAA/WiFi Systems. IEEE Access, 2019, 7, 36300-36311.	2.6	16
62	Simple, Accurate and Computationally Efficient Wireless Channel Modeling Algorithm. Lecture Notes in Computer Science, 2005, , 234-245.	1.0	15
63	Packet Level Performance Assessment of mmWave Backhauling Technology for 3GPP NR Systems. IEEE Access, 2019, 7, 9860-9871.	2.6	15
64	DECT-2020 New Radio: The Next Step toward 5G Massive Machine-Type Communications. IEEE Communications Magazine, 2022, 60, 58-64.	4.9	15
65	Analysis of a receiver-based reliable broadcast approach for vehicular networks. Ad Hoc Networks, 2016, 37, 63-75.	3.4	14
66	Socially Inspired Relaying and Proactive Mode Selection in mmWave Vehicular Communications. IEEE Internet of Things Journal, 2019, 6, 5172-5183.	5.5	14
67	Ergodic Outage and Capacity of Terahertz Systems Under Micromobility and Blockage Impairments. IEEE Transactions on Wireless Communications, 2022, 21, 3024-3039.	6.1	14
68	Time-Dependent SIR Modeling For D2D Communications In Indoor Deployments. , 2017, , .		14
69	Frequency domain penetration loss in the terahertz band. , 2016, , .		13
70	Analysis of Intelligent Vehicular Relaying in Urban 5G+ Millimeter-Wave Cellular Deployments. , 2019, , .		13
71	Applying Blockchain Technology for User Incentivization in mmWave-Based Mesh Networks. IEEE Access, 2020, 8, 50983-50994.	2.6	13
72	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

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73	Service quality in P2P streaming systems. Computer Science Review, 2011, 5, 319-340.	10.2	12
74	Incorporating Bacterial Properties for Plasmid Delivery in Nano Sensor Networks. IEEE Nanotechnology Magazine, 2015, 14, 751-760.	1.1	12
75	Propagation Delay and Loss Analysis for Bacteria-Based Nanocommunications. IEEE Transactions on Nanobioscience, 2016, 15, 627-638.	2.2	12
76	On the Use of Integral Geometry for Interference Modeling and Analysis in Wireless Networks. IEEE Communications Letters, 2016, 20, 2530-2533.	2.5	12
77	Terahertz Band Intra-Chip Communications: Can Wireless Links Scale Modern x86 CPUs?. IEEE Access, 2017, 5, 6095-6109.	2.6	12
78	Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems. IEEE Wireless Communications, 2017, 24, 14-22.	6.6	12
79	Improved Network Coverage with Adaptive Navigation of mmWave-Based Drone-Cells. , 2018, , .		12
80	Hover or Perch: Comparing Capacity of Airborne and Landed Millimeter-Wave UAV Cells. IEEE Wireless Communications Letters, 2020, 9, 2059-2063.	3.2	12
81	Priority-based Coexistence of eMBB and URLLC Traffic in Industrial 5G NR Deployments. , 2020, , .		12
82	Statistical Analysis and Modeling of User Micromobility for THz Cellular Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 725-738.	3.9	12
83	Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth. , 2018, , .		11
84	Spatially-Consistent Human Body Blockage Modeling: A State Generation Procedure. IEEE Transactions on Mobile Computing, 2020, 19, 2221-2233.	3.9	11
85	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
86	An Accurate Approximation of Resource Request Distributions in Millimeter Wave 3GPP New Radio Systems. Lecture Notes in Computer Science, 2019, , 572-585.	1.0	11
87	Multi-tenant resource sharing with equitable-priority-based performance isolation of slices for 5G cellular systems. Computer Communications, 2022, 188, 39-51.	3.1	11
88	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
89	Analytical characterization of the blockage process in 3GPP New Radio systems with trilateral mobility and multi-connectivity. Computer Communications, 2019, 146, 110-120.	3.1	10
90	Coexistence Analysis of 5G NR Unlicensed and WiGig in Millimeter-Wave Spectrum. IEEE Transactions on Vehicular Technology, 2021, 70, 11721-11735.	3.9	10

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91	Some modeling approaches for client relay networks. , 2010, , .		9
92	Statistical Traffic Properties and Model Inference for Shared Cache Interface in Multi-Core CPUs. IEEE Access, 2016, 4, 4829-4839.	2.6	9
93	Analytical approximations for interference and SIR densities in terahertz systems with atmospheric absorption, directional antennas and blocking. Physical Communication, 2018, 26, 21-30.	1.2	9
94	Facilitating mmWave Mesh Reliability in PPDR Scenarios Utilizing Artificial Intelligence. IEEE Access, 2019, 7, 180700-180712.	2.6	9
95	Performance of Priority-Based Traffic Coexistence Strategies in 5G mmWave Industrial Deployments. IEEE Access, 2022, 10, 9241-9256.	2.6	9
96	Random Triangle: A Baseline Model for Interference Analysis in Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6778-6782.	3.9	8
97	Connectivity Properties of Vehicles in Street Deployment of 3GPP NR Systems. , 2018, , .		8
98	An Analytical Representation of the 3GPP 3D Channel Model Parameters for mmWave Bands. , 2018, , .		8
99	Reinforcement Learning for Improved UAV-Based Integrated Access and Backhaul Operation. , 2020, , .		8
100	A top-down approach to VoD traffic transmission over DiffServ domain using AF PHB class. , 0, , .		7
101	Modeling TCP SACK performance over wireless channels with semi-reliable ARQ/FEC. Wireless Networks, 2010, 16, 1837-1863.	2.0	7
102	Evaluating a Case of Downlink Uplink Decoupling Using Queuing System with Random Requirements. Lecture Notes in Computer Science, 2016, , 440-450.	1.0	7
103	Microfluidic System Protocols for Integrated On-Chip Communications and Cooling. IEEE Access, 2017, 5, 2417-2429.	2.6	7
104	Performance Analysis of Mixture of Unicast and Multicast Sessions in 5G NR Systems. , 2018, , .		7
105	SIR Distribution In D2D Environment With Non-Stationary Mobility Of Users. , 2017, , .		7
106	Augmented Computing at the Edge Using Named Data Networking. , 2020, , .		7
107	Optimal Multicasting in Millimeter Wave 5G NR With Multi-Beam Directional Antennas. IEEE Transactions on Mobile Computing, 2023, 22, 3572-3588.	3.9	7
108	Closed-Form UAV LoS Blockage Probability in Mixed Ground- and Rooftop-Mounted Urban mmWave NR Deployments. Sensors, 2022, 22, 977.	2.1	7

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109	Analytical Model for Link Reliability in Bacteria Nanonetworks. , 2014, , .		6
110	An Analytical Approach to SINR Estimation in Adjacent Rectangular Cells. Lecture Notes in Computer Science, 2015, , 446-458.	1.0	6
111	Analytical TCP Model for Millimeter-Wave 5G NR Systems in Dynamic Human Body Blockage Environment. Sensors, 2020, 20, 3880.	2.1	6
112	Performance Characterization and Traffic Protection in Street Multi-Band Millimeter-Wave and Microwave Deployments. IEEE Transactions on Wireless Communications, 2022, 21, 163-178.	6.1	6
113	Self-Interference Assessment and Mitigation in 3GPP IAB Deployments. , 2021, , .		6
114	Accuracy assessment of user micromobility models for THz cellular systems. , 2021, , .		6
115	Optimizing NB-IoT Communication Patterns for Permanently Connected mMTC Devices. , 2022, , .		6
116	Modeling TCP performance over wireless channels with a semi-reliable data link layer. , 2008, , .		5
117	Automatic Bandwidth Adjustment for Content Distribution in MPLS Networks. Advances in Multimedia, 2008, 2008, 1-15.	0.2	5
118	Cross-Layer Modeling of Wireless Channels: An Overview of Basic Principles. Wireless Personal Communications, 2014, 74, 23-44.	1.8	5
119	Modeling Coexistence of Unicast and Multicast Communications in 5G New Radio Systems. , 2019, , .		5
120	Characterizing throughput and convergence time in dynamic multi-connectivity 5G deployments. Computer Communications, 2022, 187, 45-58.	3.1	5
121	Analysis of a receiver-based reliable broadcast approach for vehicular networks. , 2014, , .		4
122	Trade-offs between compression, energy and quality of video streaming applications in wireless networks. , 2014, , .		4
123	Prioritized Centrally-Controlled Resource Allocation in Integrated Multi-RAT HetNets. , 2015, , .		4
124	Time-Dependent SIR Analysis in Shopping Malls Using Fractal-Based Mobility Models. Lecture Notes in Computer Science, 2017, , 16-25.	1.0	4
125	Modeling Three-Dimensional Interference and SIR in Highly Directional mmWave Communications. , 2017, , .		4
126	Handling Overflow Traffic in Millimeter Wave 5G NR Deployments using NR-U Technology. , 2020, , .		4

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127	Learning-Aided Multi-RAT Operation for Battery Lifetime Extension in LPWAN Systems. , 2020, , .		4
128	LPWAN Coverage Assessment Planning Without Explicit Knowledge of Base Station Locations. IEEE Internet of Things Journal, 2022, 9, 4031-4050.	5.5	4
129	Quantifying the millimeter wave new radio base stations density for network slicing with prescribed SLAs. Computer Communications, 2021, 174, 13-27.	3.1	4
130	Cross-Layer Modeling of TCP SACK Performance over Wireless Channels with Completely Reliable ARQ/FEC. , 2008, , 13-26.		4
131	SIR Analysis In Square-Shaped Indoor Premises. , 2016, , .		4
132	Performance Evaluation of Live Video Streaming Service in 802.11b WLAN Environment under Different Load Conditions. Lecture Notes in Computer Science, 2003, , 30-41.	1.0	4
133	Autonomous UAV Landing on a Moving Vessel: Localization Challenges and Implementation Framework. Lecture Notes in Computer Science, 2019, , 342-354.	1.0	4
134	Evaluating Multi-connectivity in 5G NR Systems with Mixture of Unicast and Multicast Traffic. Lecture Notes in Computer Science, 2019, , 118-128.	1.0	4
135	Modeling the NB-IoT Transmission Process with Intermittent Network Availability. Lecture Notes in Computer Science, 2020, , 241-254.	1.0	4
136	GAR: Gradient assisted routing for topology self-organization in dynamic mesh networks. Computer Communications, 2022, 190, 10-23.	3.1	4
137	Modeling TCP performance over wireless channels using fixed-point approximation. , 2008, , .		3
138	The effect of data-link layer reliability on performance of wireless channels. , 2008, , .		3
139	On the optimal assisted rate allocation in N-tier multi-RAT heterogeneous networks. , 2014, , .		3
140	Performance comparison of message encoding techniques for bacterial nanonetworks. , 2016, , .		3
141	Enabling simultaneous cooling and data transmission in the terahertz band for board-to-board communications. Physical Communication, 2017, 22, 9-18.	1.2	3
142	Session-Level Reliability Analysis for Multi-Service Communication in Autonomous Vehicular Fleets. IEEE Access, 2020, 8, 174629-174642.	2.6	3
143	On the Fraction of LoS Blockage Time in mmWave Systems with Mobile Users and Blockers. Lecture Notes in Computer Science, 2018, , 183-192.	1.0	3
144	Non-parametric and Self-tuning Measurement-Based Admission Control. Lecture Notes in Computer Science, 2007, , 664-677.	1.0	3

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145	Performance Evaluation and Traffic Modeling. Lecture Notes in Electrical Engineering, 2009, , 89-150.	0.3	3
146	Analytical Models for Schedule-Based License Assisted Access (LAA) LTE Systems. Lecture Notes in Computer Science, 2018, , 210-223.	1.0	3
147	Performance evaluation of bandwidth reservation for mmWave in 5G NR systems. Informatsionno-Upravliaiushchie Sistemy, 2019, , 51-63.	0.3	3
148	Time-Dependent Propagation Analysis and Modeling of LPWAN Technologies. , 2020, , .		3
149	Resource Queuing System with Preemptive Priority for Performance Analysis of 5G NR Systems. Lecture Notes in Computer Science, 2020, , 87-99.	1.0	3
150	Joint Cooling and Information Transmission for Board-to-Board Communications. , 2015, , .		2
151	Comparing Capacity Gains of Static and UAV-Based Millimeter-Wave Relays in Clustered Deployments. , 2020, , .		2
152	Cross-layer performance control of wireless channels using active local profiles. Journal of Communications Software and Systems, 2017, 3, 148.	0.6	2
153	Modeling local stationary behavior of Internet traffic. Journal of Communications Software and Systems, 2017, 4, 41.	0.6	2
154	Modeling the Process of Dynamic Resource Sharing Between LTE and NB-IoT Services. Communications in Computer and Information Science, 2017, , 1-12.	0.4	2
155	Performance of mmWave-Based Mesh Networks in Indoor Environments with Dynamic Blockage. Lecture Notes in Computer Science, 2019, , 129-140.	1.0	2
156	Prioritized Service of URLLC Traffic in Industrial Deployments of 5G NR Systems. Lecture Notes in Computer Science, 2020, , 497-509.	1.0	2
157	On-Line State Detection in Time-Varying Traffic Patterns. Lecture Notes in Computer Science, 2007, , 49-60.	1.0	2
158	On-Line Wireless Channel Modeling for Performance Control Purposes. Lecture Notes in Computer Science, 2008, , 49-60.	1.0	2
159	Uninterrupted Connectivity Time in THz Systems Under User Micromobility and Blockage. , 2021, , .		2
160	An analytical evaluation of VoD traffic treatment within the EF-enabled DiffServ ingress and interior nodes. , 0, , .		1
161	Cross-Layer Performance Evaluation of IP-Based Applications Running over the Air Interface. , 2004, , 235-247.		1
162	ΣD-BMAP/D/1/K queuing system with priorities. , 2010, , .		1

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163	The effect of biased choice of peers on quality provided by P2P file sharing. , 2012, , .		1
164	On the delay distribution and maximum message length in DTNs with long propagation delays. , 2014, , .		1
165	On the Efficiency of Spatial Channel Reuse in Ultra-Dense THz Networks. , 2014, , .		1
166	Data Rate Performance of Droplet Microfluidic Communication System. , 2015, , .		1
167	Performance analysis of simultaneous communications in bacterial nanonetworks. Nano Communication Networks, 2016, 8, 55-67.	1.6	1
168	Analyzing D2D mobility: Framework for steady communications and outage periods prediction. , 2017, , .		1
169	Quantifying the Density of mmWave NR Deployments for Provisioning Multi-Layer VR Services. Future Internet, 2021, 13, 185.	2.4	1
170	A Novel Two-Step MPEG Traffic Modeling Algorithm Based on a GBAR Process. IFIP Advances in Information and Communication Technology, 2003, , 293-304.	0.5	1
171	Infrastructure-Assisted Probabilistic Power Control for VANETs. Lecture Notes in Computer Science, 2011, , 231-237.	1.0	1
172	The Structure of the Reactive Performance Control System for Wireless Channels. Lecture Notes in Computer Science, 2006, , 164-176.	1.0	1
173	System Design and Analysis of UAV-Assisted BLE Wireless Sensor Systems. Lecture Notes in Computer Science, 2016, , 284-296.	1.0	1
174	Comparison of Machine Learning Algorithms for Priority-Based Network Slicing in 5G Systems. , 2021, , .		1
175	Traffic Management. Lecture Notes in Computer Science, 2003, , 10-79.	1.0	0
176	An integrated model of packetized VBR teletraffic source for cellular NG All-IP wireless networks. Computer Communications, 2006, 29, 957-968.	3.1	0
177	Broadband Wireless Access. Eurasip Journal on Wireless Communications and Networking, 2010, 2009, .	1.5	0
178	Analytical performance evaluation of a WiMAX cell with VoIP/elastic data traffic. , 2011, , .		0
179	Per-station performance in CSMA/CA networks. , 2011, , .		0
180	Mobility-dependent small-scale propagation model for applied simulation studies. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	0

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181	Intra-CPU Traffic Estimation and Implications on Networks-on-Chip Research. Lecture Notes in Computer Science, 2016, , 453-464.	1.0	0
182	Analytical modeling and analysis of interleaving on correlated wireless channels. Computer Communications, 2018, 118, 14-26.	3.1	0
183	Data Rate Estimation for Wireless Core-to-Cache Communication in Multicore CPUs. Modelirovanie I Analiz Informacionnyh Sistem, 2015, 22, 238-247.	0.1	0
184	Coverage and Network Requirements of a "Big Data" Flash Crowd Monitoring System Using Users'™ Devices. Lecture Notes in Computer Science, 2016, , 372-382.	1.0	0
185	Characterizing the Degree of LTE Involvement in Supporting Session Continuity in Street Deployment of NR Systems. Lecture Notes in Computer Science, 2019, , 71-83.	1.0	0
186	Synchronous Relaying in Vehicular Ad-Hoc Networks. , 0, , 127-132.		0