

# Evgeny Khorov

## List of Publications by Year in descending order

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137  
papers

2,015  
citations

623734

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361022

35  
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140  
all docs

140  
docs citations

140  
times ranked

1395  
citing authors

#	ARTICLE	IF	CITATIONS
1	CR-LBT: Listen-Before-Talk With Collision Resolution for 5G NR-U Networks. IEEE Transactions on Mobile Computing, 2022, 21, 3138-3149.	5.8	14
2	A Phase Noise Resistant Constellation Rotation Method and Its Experimental Validation for NOMA Wi-Fi. IEEE Journal on Selected Areas in Communications, 2022, 40, 1346-1354.	14.0	8
3	Reducing Computational Complexity for the 3GPP TR 38.901 MIMO Channel Model. IEEE Wireless Communications Letters, 2022, 11, 1133-1136.	5.0	5
4	A Study of Channel Bonding in IEEE 802.11bd Networks. IEEE Access, 2022, 10, 25514-25533.	4.2	14
5	Receiver Design and Frame Format for Uplink NOMA in Wi-Fi. , 2022, , .		2
6	PABAFT: Channel Prediction Approach Based on Autoregression and Flexible TDD for 5G Systems. Electronics (Switzerland), 2022, 11, 1853.	3.1	4
7	Is Encrypted ClientHello a Challenge for Traffic Classification?. IEEE Access, 2022, 10, 77883-77897.	4.2	6
8	A Framework to Maximize the Capacity of 5G Systems for Ultra-Reliable Low-Latency Communications. IEEE Transactions on Mobile Computing, 2021, 20, 2111-2123.	5.8	22
9	Adaptive Cloud-Based Extended Reality: Modeling and Optimization. IEEE Access, 2021, 9, 35287-35299.	4.2	14
10	Analytical Study of Periodic Restricted Access Window Mechanism for Short Slots. Electronics (Switzerland), 2021, 10, 549.	3.1	6
11	EVerEst: Bitrate Adaptation for Cloud VR. Electronics (Switzerland), 2021, 10, 678.	3.1	6
12	SDR-based Testbed for Real-time CQI Prediction for URLLC. , 2021, , .		3
13	FIND: an SDR-based Tool for Fine Indoor Localization. , 2021, , .		2
14	IEEE 802.11ax OFDMA Resource Allocation with Frequency-Selective Fading. Sensors, 2021, 21, 6099.	3.8	9
15	Enhanced Collision Resolution Methods With Mini-Slot Support for 5G NR-U. IEEE Access, 2021, 9, 146137-146152.	4.2	7
16	Experimental Study of Smoothing Modifications of the MUSIC Algorithm for Direction of Arrival Estimation in Indoor Environments. IEEE Access, 2021, 9, 153767-153774.	4.2	5
17	Enabling Synchronous Uplink NOMA in Wi-Fi Networks. , 2021, , .		2
18	A Study of the Impact of the Contention Window on the Performance of IEEE 802.11bd Networks with Channel Bonding. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	Performance Evaluation of Downlink Non-Orthogonal Multiple Access in Wi-Fi Networks. Journal of Communications Technology and Electronics, 2021, 66, 1485-1490.	0.5	3
20	Analyses of NSTR Multi-Link Operation in the Presence of Legacy Devices in an IEEE 802.11 be Network. , 2021, , .		5
21	On the Use of Multilink Access Methods to Support Real-Time Applications in Wi-Fi Networks. Journal of Communications Technology and Electronics, 2021, 66, 1476-1484.	0.5	2
22	Prototyping NOMA Constellation Rotation in Wi-Fi. , 2020, , .		4
23	Dynamic Multiplexing of URLLC Traffic and eMBB Traffic in an Uplink Using Nonorthogonal Multiple Access. Journal of Communications Technology and Electronics, 2020, 65, 750-755.	0.5	5
24	Performance Evaluation of TCP Data Transmission in 5G mmWave Networks. Journal of Communications Technology and Electronics, 2020, 65, 735-740.	0.5	2
25	Flexible Multiplexing of Grant-Free URLLC and eMBB in Uplink. , 2020, , .		8
26	Cost-Effective V2X Task Offloading in MEC-Assisted Intelligent Transportation Systems. IEEE Access, 2020, 8, 169010-169023.	4.2	19
27	Rate Control With Spatial Reuse for Wi-Fi 6 Dense Deployments. IEEE Access, 2020, 8, 168898-168909.	4.2	17
28	Nonorthogonal Multiple Access for Servicing the Internet of Things and Web Traffic in Wi-Fi Networks. Journal of Communications Technology and Electronics, 2020, 65, 741-749.	0.5	0
29	On the Joint Usage of Target Wake Time and 802.11ba Wake-Up Radio. IEEE Access, 2020, 8, 221061-221076.	4.2	9
30	Fast and Reliable Alert Delivery in Mission-Critical Wi-Fi HaLow Sensor Networks. IEEE Access, 2020, 8, 14302-14313.	4.2	13
31	Current Status and Directions of IEEE 802.11be, the Future Wi-Fi 7. IEEE Access, 2020, 8, 88664-88688.	4.2	147
32	Super Fast Link Set-Up in Wi-Fi HaLow Networks. IEEE Communications Letters, 2020, 24, 2305-2308.	4.1	0
33	Enhancing the Energy Efficiency of Dense Wi-Fi Networks Using Cloud Technologies. Automation and Remote Control, 2020, 81, 94-106.	0.8	2
34	Radio access network design with software-defined mobility management. Wireless Networks, 2020, 26, 3349-3362.	3.0	2
35	Resource Allocation for Machine-Type Communication of Energy-Harvesting Devices in Wi-Fi HaLow Networks. Sensors, 2020, 20, 2449.	3.8	12
36	Modeling of Real-Time Multimedia Streaming in Wi-Fi Networks With Periodic Reservations. IEEE Access, 2020, 8, 55633-55653.	4.2	10

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37	Prototyping and Experimental Study of Non-Orthogonal Multiple Access in Wi-Fi Networks. IEEE Network, 2020, 34, 210-217.	6.9	29
38	Cost Optimization for Computing Resource Management in Intelligent Transportation Systems. Journal of Communications Technology and Electronics, 2020, 65, 1517-1524.	0.5	3
39	Performance Evaluation of Uplink NOMA in Wi-Fi Networks. , 2020, , .		5
40	Study on Simultaneous Transmission and Reception on Multiple Links in IEEE 802.11be networks. , 2020, , .		7
41	Mathematical Model of a Network Slicing Approach for Video and Web Traffic. Journal of Communications Technology and Electronics, 2019, 64, 890-899.	0.5	2
42	Generalized Mathematical Model of Reliable Multicast Transmission in Modern Wi-Fi Networks. Journal of Communications Technology and Electronics, 2019, 64, 870-879.	0.5	0
43	LoRaWAN Modeling and MCS Allocation to Satisfy Heterogeneous QoS Requirements. Sensors, 2019, 19, 4204.	3.8	22
44	Enabling the Internet of Things With Wi-Fi Halowâ€”Performance Evaluation of the Restricted Access Window. IEEE Access, 2019, 7, 127402-127415.	4.2	31
45	Conservative Link Adaptation for Ultra Reliable Low Latency Communications. , 2019, , .		21
46	Approach to Real-Time Communications in Wi-Fi Networks. Journal of Communications Technology and Electronics, 2019, 64, 880-889.	0.5	2
47	Algorithm for Dynamic Power Control and Scheduling in IEEE 802.11ax Infrastructure Networks. Journal of Communications Technology and Electronics, 2019, 64, 900-909.	0.5	4
48	Analysis of YouTube DASH Traffic. , 2019, , .		3
49	IEEE 802.11ba â€” Extremely Low Power Wi-Fi for Massive Internet of Things â€” Challenges, Open Issues, Performance Evaluation. , 2019, , .		9
50	Analytical Study of License-Assisted Access in 5G Networks. , 2019, , .		3
51	Accurate Energy Modeling and Characterization of IEEE 802.11ah RAW and TWT. Sensors, 2019, 19, 2614.	3.8	16
52	Scheduling of Dedicated and Shared Links for Fast and Reliable Data Delivery in IEEE 802.15.4 TSCH Networks. , 2019, , .		1
53	Emergency Alert Delivery in a Heterogeneous Wi-Fi HaLow Network. Journal of Communications Technology and Electronics, 2019, 64, 1517-1522.	0.5	2
54	On the Capacity of a 5G Network for URLLC. Journal of Communications Technology and Electronics, 2019, 64, 1513-1516.	0.5	2

#	ARTICLE	IF	CITATIONS
55	New Collision Detection Method for Fair LTE-LAA and Wi-Fi Coexistence. , 2019, , .		9
56	OFDMA Resource Allocation for Real-Time Applications in IEEE 802.11ax Networks. , 2019, , .		21
57	Enabling Massive Real-Time Applications in IEEE 802.11be Networks. , 2019, , .		14
58	Enabling real-time applications in Wi-Fi networks. International Journal of Distributed Sensor Networks, 2019, 15, 155014771984531.	2.2	14
59	Cloud-based Management of Energy-Efficient Dense IEEE 802.11ax Networks. , 2019, , .		1
60	Mathematical Modeling of Joint Operation of Wireless Local Area Networks and Fifth Generation Cellular Networks. Automation and Remote Control, 2019, 80, 2180-2194.	0.8	2
61	A Tutorial on IEEE 802.11ax High Efficiency WLANs. IEEE Communications Surveys and Tutorials, 2019, 21, 197-216.	39.4	336
62	Poster: fast and reliable alert delivery in Wi-Fi HaLow sensor networks. , 2019, , .		2
63	Study of Fast Multi-hop ALOHA with Instant Forwarding. , 2018, , .		1
64	Enabling Low Latency Communications in Wi-Fi Networks. , 2018, , .		2
65	xStream: A New Platform Enabling Communication Between Applications and the 5G Network. , 2018, , .		14
66	Analysis of the Differential Update Method for Control Information Dissemination in Wireless Networks. Journal of Communications Technology and Electronics, 2018, 63, 1538-1544.	0.5	0
67	Clock Drift Impact on Target Wake Time in IEEE 802.11ax/ah Networks. , 2018, , .		9
68	Cloud Control to Optimize Real-Time Video Transmission in Dense IEEE 802.11aa/ax Networks. , 2018, , .		5
69	NOMA Testbed on Wi-Fi. , 2018, , .		18
70	Coexistence of Wi-Fi and LTE-LAA Networks: Open Issues. Journal of Communications Technology and Electronics, 2018, 63, 1530-1537.	0.5	19
71	Two-Slot Based Model of the IEEE 802.11ah Restricted Access Window with Enabled Transmissions Crossing Slot Boundaries. , 2018, , .		14
72	ARBAT: A flexible network architecture for QoE-aware communications in 5G systems. Computer Networks, 2018, 147, 262-279.	5.1	20

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73	What Is the Fastest Way to Connect Stations to a Wi-Fi HaLow Network?. <i>Sensors</i> , 2018, 18, 2744.	3.8	10
74	Testbed to Study the Capture Effect: Can We Rely on this Effect in Modern Wi-Fi Networks. , 2018, , .		12
75	Analytical Study of Adaptive Video Generation in CCTV Over Public Wireless Networks. , 2018, , .		0
76	Joint Power Control and Time Division to Improve Spectral Efficiency in Dense Wi-Fi Networks. , 2018, , .		3
77	OFDMA Uplink Scheduling in IEEE 802.11ax Networks. , 2018, , .		44
78	Analytical study of incremental approach for information dissemination in wireless networks. , 2018, , .		0
79	Mathematical study of QoS-aware multicast streaming in Wi-Fi networks. , 2018, , .		1
80	Radio resource and traffic management for ultra-reliable low latency communications. , 2018, , .		19
81	Analysis of algorithms for decentralized dynamic channel resource reservation for data streaming in Wi-Fi networks. <i>Journal of Communications Technology and Electronics</i> , 2017, 62, 694-703.	0.5	0
82	Mathematical model of LoRaWAN channel access. , 2017, , .		43
83	Fast centralized authentication in Wi-Fi HaLow networks. , 2017, , .		11
84	A mathematical model of transmitting a non-ordinary flow with periodic reservations and block acknowledgements in a channel with correlated noise. <i>Automation and Remote Control</i> , 2017, 78, 1978-1990.	0.8	1
85	Radio resource scheduling for low-latency communications in LTE and beyond. , 2017, , .		8
86	Will MCCA revive wireless multihop networks?. <i>Computer Communications</i> , 2017, 104, 159-174.	5.1	7
87	Reliable low latency communications in LTE networks. , 2017, , .		2
88	Mathematical model of LoRaWAN channel access with capture effect. , 2017, , .		59
89	Improving efficiency of heterogeneous Wi-Fi networks with joint usage of TIM segmentation and restricted access window. , 2017, , .		13
90	SAND-Inspired Cross-Layer Approach for CCTV in 5G Networks. , 2017, , .		2

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91	IEEE 802.11ax uplink scheduler to minimize, delay: A classic problem with new constraints. , 2017, , .		22
92	Real-Time Station Grouping under Dynamic Traffic for IEEE 802.11ah. Sensors, 2017, 17, 1559.	3.8	51
93	SEBRA: SAND-enabled bitrate and resource allocation algorithm for network-assisted video streaming. , 2017, , .		12
94	QoS-aware streaming with HCCA TXOP negotiation in overlapped Wi-Fi networks. , 2016, , .		2
95	On throughput estimation with TXOP sharing in IEEE 802.11ah networks. , 2016, , .		0
96	Analysis of multiplexed streaming via periodic reservations of wireless channel. , 2016, , .		2
97	Beacons in dense Wi-Fi networks: How to befriend with neighbors in the 5G world?. , 2016, , .		2
98	Mathematical model of QoS-aware multicast transmission via periodic reservations. , 2016, , .		2
99	Study of the enhanced algorithm for control information dissemination in Wi-Fi Mesh networks. , 2016, , .		3
100	The study of the distributed control method to hasten link set-up in IEEE 802.11ah networks. , 2016, , .		11
101	On the Limits of LoRaWAN Channel Access. , 2016, , .		131
102	Improving Efficiency of Heterogeneous Wi-Fi Networks with Energy-Limited Devices. Lecture Notes in Computer Science, 2016, , 181-192.	1.3	3
103	Mathematical model for scheduling in IEEE 802.11ad networks. , 2016, , .		9
104	Modeling leader-based multicast transmission via periodic reservations in Wi-Fi networks. , 2016, , .		2
105	Several EDCA parameter sets for improving channel access in IEEE 802.11ax networks. , 2016, , .		23
106	Modeling joint usage of random and deterministic channel access in Wi-Fi networks. , 2016, , .		2
107	Joint Usage of Dynamic Sensitivity Control and Time Division Multiple Access in Dense 802.11ax Networks. Lecture Notes in Computer Science, 2016, , 57-71.	1.3	5
108	Study of the group-based approach to disseminate control information in wireless networks. , 2015, , .		3

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109	Modelling deterministic channel access in millimetre wave Wi-Fi. , 2015, , .		3
110	Choosing the channel reservation period in self-organizing wireless networks. Journal of Communications Technology and Electronics, 2015, 60, 1372-1378.	0.5	3
111	Analytical Model of QoS-Aware Streaming in Wi-Fi Networks via Periodic TXOPs. , 2015, , .		1
112	IEEE 802.11ax: How to Build High Efficiency WLANs. , 2015, , .		18
113	Analysis of logical topology construction mechanisms in MANET. Journal of Communications Technology and Electronics, 2015, 60, 1379-1388.	0.5	3
114	Analytical model of a P-persistent method of queue management for multimedia streaming over wireless networks. Journal of Communications Technology and Electronics, 2015, 60, 1389-1402.	0.5	1
115	Modelling machine type communication in IEEE 802.11ah networks. , 2015, , .		34
116	A mathematical method for packet loss ratio estimation for a multipath route in the presence of correlated errors. Problems of Information Transmission, 2015, 51, 299-305.	0.5	2
117	Is it worth to predict overflows during video streaming over wireless networks?. , 2015, , .		1
118	Analytical model of batch flow multihop transmission in wireless networks with channel reservations. Automation and Remote Control, 2015, 76, 1179-1192.	0.8	15
119	A survey on IEEE 802.11ah: An enabling networking technology for smart cities. Computer Communications, 2015, 58, 53-69.	5.1	274
120	Distortion Avoidance While Streaming Public Safety Video in Smart Cities. Lecture Notes in Computer Science, 2015, , 89-100.	1.3	3
121	Modeling of real-time multimedia streaming with deterministic access. Journal of Communications Technology and Electronics, 2014, 59, 1501-1511.	0.5	6
122	Head-of-line blocking avoidance in multimedia streaming over wireless networks. , 2014, , .		1
123	QoS support for bursty traffic in noisy channel via periodic reservations. , 2014, , .		7
124	Fast Quality Assessment of Videos Transmitted over Lossy Networks. , 2014, , .		5
125	Wireless Access Flexibility. Lecture Notes in Computer Science, 2013, , .	1.3	0
126	A dynamic channel reservation method for multimedia streaming in Wi-Fi Mesh networks. Automation and Remote Control, 2013, 74, 1460-1473.	0.8	3



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127	Dynamic Resource Allocation for MCCA-Based Streaming in Wi-Fi Mesh Networks. Lecture Notes in Computer Science, 2013, , 93-111.	1.3	5
128	P-Persistent Queue Management to Overcome Channel Failures in IEEE 802.11 Networks for Real-Time Multimedia Streaming. Lecture Notes in Computer Science, 2013, , 69-79.	1.3	2
129	Proximity-based groupcast in MANET (GiM). Journal of Communications Technology and Electronics, 2012, 57, 1303-1313.	0.5	1
130	Analytical study of the quality of links established by the neighborhood discovery protocol. Journal of Communications Technology and Electronics, 2012, 57, 1314-1321.	0.5	2
131	Analysis of the joint use of the proactive and reactive methods of the topology information dissemination in ad-hoc wireless networks. Journal of Communications Technology and Electronics, 2012, 57, 1322-1330.	0.5	5
132	Analytical study of link management in IEEE 802.11s mesh networks. , 2012, , .		4
133	Analytical study of neighborhood discovery and link management in OLSR. , 2012, , .		4
134	A method to estimate efficiency of the connection control mechanisms in wireless self-organizing networks. Automation and Remote Control, 2012, 73, 797-809.	0.8	5
135	Analytical model of IEEE 802.11s MCCA-based streaming in the presence of noise. Performance Evaluation Review, 2011, 39, 38-40.	0.6	14
136	Flexibility of Routing Framework Architecture in IEEE 802.11s Mesh Networks. , 2011, , .		11
137	Channel switch time distribution in ECMA-368 networks. , 2008, , .		0