

# Jinho Choi

## List of Publications by Year in descending order

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490  
papers

8,557  
citations

125106

35  
h-index

84171

75  
g-index

498  
all docs

498  
docs citations

498  
times ranked

6188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Grant-Free Random Access in Machine-Type Communication: Approaches and Challenges. IEEE Wireless Communications, 2022, 29, 151-158.	6.6	29
2	Enabling Grant-Free URLLC: An Overview of Principle and Enhancements by Massive MIMO. IEEE Internet of Things Journal, 2022, 9, 384-400.	5.5	27
3	Data Aggregation in UAV-Aided Random Access for Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 5755-5764.	5.5	22
4	Age of Information Aware UAV Deployment for Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2705-2715.	4.7	16
5	On Throughput Bounds of NOMA-ALOHA. IEEE Wireless Communications Letters, 2022, 11, 165-168.	3.2	10
6	Sliding Network Coding for URLLC. IEEE Transactions on Wireless Communications, 2022, 21, 4424-4433.	6.1	6
7	Variational Inference Based Sparse Signal Detection for Next Generation Multiple Access. IEEE Journal on Selected Areas in Communications, 2022, 40, 1114-1127.	9.7	1
8	Toward Joint Radar, Communication, Computation, Localization, and Sensing in IoT. IEEE Access, 2022, 10, 11772-11788.	2.6	11
9	Random-Access-Based Multiuser Computation Offloading for Devices in IoT Applications. IEEE Internet of Things Journal, 2022, 9, 22034-22043.	5.5	1
10	Sum Rate Optimization of IRS-Aided Uplink Multiantenna NOMA with Practical Reflection. Sensors, 2022, 22, 4449.	2.1	5
11	Communication-Efficient Distributed SGD Using Random Access for Over-the-Air Computation. IEEE Journal on Selected Areas in Information Theory, 2022, 3, 206-216.	1.9	4
12	Throughput Analysis of Network Coding in Grant-Free Transmission with K-Repetition. , 2022, , .		0
13	An Efficient Clustering Framework for Massive Sensor Networking in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 4917-4924.	7.2	38
14	On Fast Retrial for Two-Step Random Access in MTC. IEEE Internet of Things Journal, 2021, 8, 1428-1436.	5.5	22
15	A Collision Resolution Protocol for Random Access in Massive MIMO. IEEE Journal on Selected Areas in Communications, 2021, 39, 686-699.	9.7	15
16	Random Access With Layered Preambles Based on NOMA for Two Different Types of Devices in MTC. IEEE Transactions on Wireless Communications, 2021, 20, 871-881.	6.1	10
17	Network Coding for $K$ -Repetition in Grant-Free Random Access. IEEE Wireless Communications Letters, 2021, 10, 2557-2561.	3.2	9
18	Modeling RIS Empowered Outdoor-to-Indoor Communication in mmWave Cellular Networks. IEEE Transactions on Communications, 2021, 69, 7837-7850.	4.9	27

#	ARTICLE	IF	CITATIONS
19	IoT-Enabled Smart Energy Grid: Applications and Challenges. IEEE Access, 2021, 9, 50961-50981.	2.6	72
20	Dynamic Preamble-Resource Partitioning for Critical MTC in Massive MIMO Systems. IEEE Internet of Things Journal, 2021, 8, 15361-15371.	5.5	4
21	Performance Analysis of Massive MIMO Assisted Semi-Grant-Free Random Access. , 2021, , .		4
22	On Delay-Constrained Transmissions of a Finite Number of Short-Length Packets. IEEE Access, 2021, 9, 1005-1015.	2.6	3
23	Co-Existing Preamble and Data Transmissions in Random Access for MTC With Massive MIMO. IEEE Transactions on Communications, 2021, 69, 7576-7586.	4.9	4
24	Explore-before-talk: Multichannel selection diversity for uplink transmissions in machine-type communication. Journal of Communications and Networks, 2021, 23, 23-33.	1.8	1
25	An Approach to Preamble Collision Reduction in Grant-Free Random Access With Massive MIMO. IEEE Transactions on Wireless Communications, 2021, 20, 1557-1566.	6.1	17
26	Coordinated Beamforming for UAV-Aided Millimeter-Wave Communications Using GPML-Based Channel Estimation. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 100-109.	4.9	20
27	Stability Region of Hybrid Uplink NOMA: Game Theoretic Perspective. IEEE Transactions on Vehicular Technology, 2021, 70, 3955-3960.	3.9	1
28	Machine Learning Enabled Preamble Collision Resolution in Distributed Massive MIMO. IEEE Transactions on Communications, 2021, 69, 2317-2330.	4.9	17
29	Channel-Aware Opportunistic NOMA for Random Access in IoT Networks. , 2021, , .		0
30	Performance Analysis of 2-Step Random Access With CDMA in Machine-Type Communication. IEEE Transactions on Communications, 2021, 69, 2387-2397.	4.9	6
31	Layered Preambles based on NOMA for MTC with Two Different Types of Devices. , 2021, , .		1
32	Data-Aided Sensing for Distributed Detection. IEEE Wireless Communications Letters, 2021, 10, 1138-1141.	3.2	1
33	Data-Aided Sensing for Gaussian Process Regression in IoT Systems. IEEE Internet of Things Journal, 2021, 8, 7717-7726.	5.5	7
34	Multi-Channel Estimation of Devices with Preamble Collision in Distributed MTC. , 2021, , .		3
35	Channel Estimation Aware Performance Analysis for Massive MIMO With Rician Fading. IEEE Transactions on Communications, 2021, 69, 4373-4386.	4.9	8
36	Performance Analysis of Uplink NOMA Systems With Hardware Impairments and Delay Constraints Over Composite Fading Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 6881-6897.	3.9	11

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37	Lightweight Physical Layer Aided Key Agreement and Authentication for the Internet of Things. Electronics (Switzerland), 2021, 10, 1730.	1.8	4
38	Modelling Data Aided Sensing With UAVs for Efficient Data Collection. IEEE Wireless Communications Letters, 2021, 10, 1959-1963.	3.2	6
39	On Evolutionary Game of Dynamic Devices in NOMA-Based IoT Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 929-938.	4.9	2
40	UAV-Aided Backscatter Communications: Performance Analysis and Trajectory Optimization. IEEE Journal on Selected Areas in Communications, 2021, 39, 3129-3143.	9.7	21
41	Age of Information and Performance Analysis for UAV-Aided IoT Systems. IEEE Internet of Things Journal, 2021, 8, 14447-14457.	5.5	38
42	Redesigning compound TCP with cognitive edge intelligence for WiFi-based IoT. Future Generation Computer Systems, 2021, 125, 859-868.	4.9	12
43	Two-Sided Learning for NOMA-Based Random Access in IoT Networks. IEEE Access, 2021, 9, 66208-66217.	2.6	3
44	Deep learning driven beam selection for orthogonal beamforming with limited feedback. ICT Express, 2021, , .	3.3	2
45	A Secure Structure for UAV-Aided IoT Networks: Space-Time Key. IEEE Wireless Communications, 2021, 28, 96-101.	6.6	8
46	SIC Aided $\mathbb{K}$ -Repetition for Mission-Critical MTC in Cell-Free Massive MIMO. , 2021, , .		3
47	Comparison of Preamble Structures for Grant-Free Random Access in Massive MIMO Systems. IEEE Wireless Communications Letters, 2020, 9, 166-170.	3.2	15
48	Analysis of Non-Orthogonal Sequences for Grant-Free RA With Massive MIMO. IEEE Transactions on Communications, 2020, 68, 150-160.	4.9	33
49	Multiple Delay Estimation Using Genetic Algorithm-Based MCMC in Non-Orthogonal Random Access. IEEE Wireless Communications Letters, 2020, 9, 398-401.	3.2	4
50	Multiuser Selection Criteria for MIMO-NOMA Systems With Different Detectors. IEEE Transactions on Vehicular Technology, 2020, 69, 1777-1791.	3.9	4
51	Gaussian Data-Aided Sensing With Multichannel Random Access and Model Selection. IEEE Internet of Things Journal, 2020, 7, 2412-2420.	5.5	4
52	Fast Retrial for Low-Latency Connectivity in MTC With Two Different Types of Devices. IEEE Wireless Communications Letters, 2020, 9, 1786-1789.	3.2	4
53	Multichannel ALOHA with Exploration Phase. , 2020, , .		3
54	Towards Enabling Critical mMTC: A Review of URLLC Within mMTC. IEEE Access, 2020, 8, 131796-131813.	2.6	99

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55	A Precoding Compensation Scheme for Heterogeneous Communication Networks With CSI Feedback Delay. IEEE Transactions on Network Science and Engineering, 2020, 7, 2506-2514.	4.1	3
56	Data-Aided Sensing Where Communication and Sensing Meet: An Introduction. , 2020, , .		4
57	On Error Rate Analysis for URLLC over Multiple Fading Channels. , 2020, , .		2
58	On the Error Probability of Support Recovery for Orthogonal Matching Pursuit With a Random Measurement Matrix. IEEE Access, 2020, 8, 95503-95511.	2.6	1
59	Rate Splitting on Mobile Edge Computing for UAV-Aided IoT Systems. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1193-1203.	4.9	26
60	RIS-Assisted Coverage Enhancement in Millimeter-Wave Cellular Networks. IEEE Access, 2020, 8, 188171-188185.	2.6	75
61	Triangular Non-Orthogonal Random Access in mMIMO Systems. IEEE Transactions on Communications, 2020, 68, 6918-6931.	4.9	5
62	On Throughput Improvement Using Immediate Re-Transmission in Grant-Free Random Access With Massive MIMO. IEEE Transactions on Wireless Communications, 2020, 19, 8341-8350.	6.1	14
63	Subcarrier-Wise Backscatter Communications Over Ambient OFDM for Low Power IoT. IEEE Transactions on Vehicular Technology, 2020, 69, 13229-13242.	3.9	9
64	A Novel Cross-Layer Authentication Protocol for the Internet of Things. IEEE Access, 2020, 8, 196135-196150.	2.6	13
65	On improving throughput of multichannel ALOHA using preamble-based exploration. Journal of Communications and Networks, 2020, 22, 380-389.	1.8	3
66	Federated Learning With Blockchain for Autonomous Vehicles: Analysis and Design Challenges. IEEE Transactions on Communications, 2020, 68, 4734-4746.	4.9	246
67	On the SINR Distribution of Grant-Free Random Access With Moderate MIMO. IEEE Wireless Communications Letters, 2020, 9, 1389-1392.	3.2	4
68	Random Access and Detection Performance of Internet of Things for Smart Ocean. IEEE Internet of Things Journal, 2020, 7, 9858-9869.	5.5	11
69	Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 6798-6802.	3.9	64
70	Performance Modeling Framework for IoT-over-Satellite Using Shared Radio Spectrum. Remote Sensing, 2020, 12, 1666.	1.8	13
71	Variational Bayesian Inference for Channel Estimation and User Activity Detection in C-RAN. IEEE Wireless Communications Letters, 2020, , 1-1.	3.2	7
72	Short-Range Ambient Backscatter Communication Using Reconfigurable Intelligent Surfaces. , 2020, , .		34

#	ARTICLE	IF	CITATIONS
73	A Decentralized Federated Learning Approach for Connected Autonomous Vehicles. , 2020, , .		43
74	Air-to-Ground Wireless Links for High-Speed UAVs. IEEE Journal on Selected Areas in Communications, 2020, 38, 2918-2930.	9.7	29
75	On Throughput of Compressive Random Access for One Short Message Delivery in IoT. IEEE Internet of Things Journal, 2020, 7, 3499-3508.	5.5	16
76	Opportunistic NOMA for Uplink Short-Message Delivery With a Delay Constraint. IEEE Transactions on Wireless Communications, 2020, 19, 3727-3737.	6.1	9
77	Preamble-Data Superposition Random Access in Massive MIMO Systems. IEEE Wireless Communications Letters, 2020, 9, 906-910.	3.2	1
78	Multiple Delay Estimation for Collision Resolution in Non-Orthogonal Random Access. IEEE Transactions on Vehicular Technology, 2020, 69, 497-508.	3.9	14
79	Federated Learning With Multichannel ALOHA. IEEE Wireless Communications Letters, 2020, 9, 499-502.	3.2	23
80	IoT Connectivity Technologies and Applications: A Survey. IEEE Access, 2020, 8, 67646-67673.	2.6	175
81	Repetition-Based NOMA Transmission and Its Outage Probability Analysis. IEEE Transactions on Vehicular Technology, 2020, 69, 5913-5922.	3.9	6
82	Index Modulation for OFDM. , 2020, , 604-606.		0
83	Physical Layer Aided Authentication and Key Agreement for the Internet of Things. , 2020, , .		1
84	Relay-Aided Random Access in Space-Air-Ground Integrated Networks. IEEE Wireless Communications, 2020, 27, 37-43.	6.6	16
85	Cluster-based resilient distributed estimation through adversary detection. IET Communications, 2020, 14, 451-457.	1.5	1
86	A Coding Approach With Key-Channel Randomization for Physical-Layer Authentication. IEEE Transactions on Information Forensics and Security, 2019, 14, 175-185.	4.5	23
87	A Cross-Layer Approach to Data-Aided Sensing Using Compressive Random Access. IEEE Internet of Things Journal, 2019, 6, 7093-7102.	5.5	6
88	NOMA-Based Compressive Random Access Using Gaussian Spreading. IEEE Transactions on Communications, 2019, 67, 5167-5177.	4.9	18
89	Visualizing for the Non-Visual: Enabling the Visually Impaired to Use Visualization. Computer Graphics Forum, 2019, 38, 249-260.	1.8	71
90	Low-Latency Multichannel ALOHA With Fast Retrial for Machine-Type Communications. IEEE Internet of Things Journal, 2019, 6, 3175-3185.	5.5	8

#	ARTICLE	IF	CITATIONS
91	Matched-Filter-Based Backscatter Communication for IoT Devices Over Ambient OFDM Carrier. IEEE Internet of Things Journal, 2019, 6, 10229-10239.	5.5	11
92	Unsupervised Machine Intelligence for Automation of Multi-Dimensional Modulation. IEEE Communications Letters, 2019, 23, 1783-1786.	2.5	2
93	On the Outage Probability of Peak Age-of-Information for D/G/1 Queuing Systems. IEEE Communications Letters, 2019, 23, 1021-1024.	2.5	32
94	Single-Carrier Index Modulation for IoT Uplink. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1237-1248.	7.3	11
95	A Variational Inference-Based Detection Method for Repetition Coded Generalized Spatial Modulation. IEEE Transactions on Communications, 2019, 67, 2569-2579.	4.9	6
96	Compressive Random Access With Multiple Resource Blocks and Fast Retrial. IEEE Transactions on Vehicular Technology, 2019, 68, 3766-3776.	3.9	1
97	A Unified Approach for Compression and Authentication of Smart Meter Reading in AMI. IEEE Access, 2019, 7, 34383-34394.	2.6	24
98	Evolutionary Game Approach to Uplink NOMA Random Access Systems. IEEE Communications Letters, 2019, 23, 930-933.	2.5	7
99	Relay-Aided Multiple Access Scheme in Two-Point Joint Transmission. IEEE Transactions on Vehicular Technology, 2019, 68, 5629-5641.	3.9	9
100	Transmit Power Minimization for Vector-Perturbation Based NOMA Systems: A Sub-Optimal Beamforming Approach. IEEE Transactions on Wireless Communications, 2019, 18, 2679-2692.	6.1	14
101	Automated Taxi Booking Operations for Autonomous Vehicles. , 2019, , .		1
102	Performance of TDOA and AOA Localization Techniques for Different Base-Stations Topologies. , 2019, , .		6
103	Low-Delay Scheduling for Internet of Vehicles: Load-Balanced Multipath Communication With FEC. IEEE Transactions on Communications, 2019, 67, 8489-8501.	4.9	29
104	Dynamic Key Update Strategy in Physical-Layer Challenge-Response Authentication. , 2019, , .		2
105	Evolutionary Game for Hybrid Uplink NOMA With Truncated Channel Inversion Power Control. IEEE Transactions on Communications, 2019, 67, 8655-8665.	4.9	14
106	On the Error Rate Analysis of Coded OFDM Over Multipath Fading Channels. IEEE Wireless Communications Letters, 2019, 8, 536-539.	3.2	3
107	An Effective Capacity-Based Approach to Multi-Channel Low-Latency Wireless Communications. IEEE Transactions on Communications, 2019, 67, 2476-2486.	4.9	20
108	MCMC-Based Detection for Random Access With Preambles in MTC. IEEE Transactions on Communications, 2019, 67, 835-846.	4.9	2

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109	Joint Power Allocation and Beamforming for Non-Orthogonal Multiple Access (NOMA) in 5G Millimeter Wave Communications. IEEE Transactions on Wireless Communications, 2018, 17, 2961-2974.	6.1	222
110	Compressive Random Access With Coded Sparse Identification Vectors for MTC. IEEE Transactions on Communications, 2018, 66, 819-829.	4.9	14
111	On Power and Rate Allocation for Coded Uplink NOMA in a Multicarrier System. IEEE Transactions on Communications, 2018, 66, 2762-2772.	4.9	16
112	Repeated MCIK-OFDM With Enhanced Transmit Diversity Under CSI Uncertainty. IEEE Transactions on Wireless Communications, 2018, 17, 4079-4088.	6.1	21
113	On the Stability of Fast Retrial Multichannel ALOHA With Rate Control for MTC. IEEE Communications Letters, 2018, 22, 360-363.	2.5	10
114	Optimal beamforming for dual-hop MIMO AF relay networks with imperfect CSI. IET Communications, 2018, 12, 115-124.	1.5	4
115	An Efficient Hybrid Transmission Method: Using Nonorthogonal Multiple Access and Multiuser Diversity. IEEE Transactions on Vehicular Technology, 2018, 67, 2276-2288.	3.9	15
116	Noncoherent OFDM-IM and Its Performance Analysis. IEEE Transactions on Wireless Communications, 2018, 17, 352-360.	6.1	35
117	Stability and Throughput of Random Access With CS-Based MUD for MTC. IEEE Transactions on Vehicular Technology, 2018, 67, 2607-2616.	3.9	17
118	Local Reliability Aware Random Access for Correlated Sources in WSNs. IEEE Transactions on Communications, 2018, 66, 1153-1163.	4.9	3
119	Layered Non-Orthogonal Random Access With SIC and Transmit Diversity for Reliable Transmissions. IEEE Transactions on Communications, 2018, 66, 1262-1272.	4.9	26
120	TCM for OFDM-IM. IEEE Wireless Communications Letters, 2018, 7, 50-53.	3.2	19
121	Performance Analysis of Compressive Sensing Based Physical Layer Authentication for AMI. , 2018, , .		1
122	Energy-efficient scheme using multiple antennas in secure distributed detection. IET Signal Processing, 2018, 12, 652-658.	0.9	4
123	Adaptive Random Access for Mobile Sensors Based Field Reconstruction. , 2018, , .		0
124	Channel-Aware Multichannel Random Access for Energy-Limited Sensors and MTC Devices. IEEE Access, 2018, 6, 59929-59939.	2.6	3
125	Asymptotic Effective Capacity of Multichannel ALOHA with Queues. , 2018, , .		1
126	A Game-Theoretic Approach for NOMA-ALOHA. , 2018, , .		12



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127	Cooperative Multiuser Beamforming in mmWave Distributed Antenna Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 12394-12397.	3.9	28
128	A Distribution-Free Analysis of Outage Probability Over Block Fading Channels. , 2018, , .		0
129	Multichannel NOMA-ALOHA Game with Fading. IEEE Transactions on Communications, 2018, , 1-1.	4.9	27
130	1-Bit compressive sensing encryption in multicarrier systems. , 2018, , .		1
131	Precoding for Spread OFDM IM. , 2018, , .		5
132	On Simultaneous Multipacket Channel Estimation and Reception in Random Access for MTC Under Frequency-Selective Fading. IEEE Transactions on Communications, 2018, 66, 5360-5369.	4.9	13
133	Comparison of One-Shot and Handshaking Systems for MTC in 5G. , 2018, , .		1
134	A Technique to Reduce PAPR for OFDM-IM Using Multiple Mapping Rules for IM. , 2018, , .		4
135	Performance of Interleaved OFDM-IM over Frequency-Selective Fading Channels. , 2018, , .		2
136	Compressive Channel Estimation and User Activity Detection in Distributed-Input Distributed-Output Systems. IEEE Communications Letters, 2018, 22, 1850-1853.	2.5	4
137	On Multichannel Random Access for Correlated Sources. IEEE Transactions on Communications, 2018, 66, 3444-3454.	4.9	1
138	Low-Complexity Multiuser Detection in Millimeter-Wave Systems Based on Opportunistic Hybrid Beamforming. IEEE Transactions on Vehicular Technology, 2018, 67, 10129-10133.	3.9	45
139	Throughput analysis for multiuser diversity of two users with SIC in NOMA systems. , 2018, , .		5
140	Achievable Sum Rates of Half- and Full-Duplex Bidirectional OFDM Communication Links. IEEE Transactions on Vehicular Technology, 2017, 66, 1351-1364.	3.9	12
141	Channel-aware repetitive data collection in wireless sensor networks. International Journal of Communication Systems, 2017, 30, e2999.	1.6	0
142	Successive Hypothesis Testing Based Sparse Signal Recovery and Its Application to MUD in Random Access. IEEE Signal Processing Letters, 2017, 24, 166-170.	2.1	5
143	Effective Capacity of NOMA and a Suboptimal Power Control Policy With Delay QoS. IEEE Transactions on Communications, 2017, 65, 1849-1858.	4.9	61
144	Application of Non-Orthogonal Multiple Access in LTE and 5G Networks. IEEE Communications Magazine, 2017, 55, 185-191.	4.9	1,484

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145	Subcarrier and power allocation scheme for downlink OFDM-NOMA systems. IET Signal Processing, 2017, 11, 51-58.	0.9	43
146	Coded OFDM-IM With Transmit Diversity. IEEE Transactions on Communications, 2017, 65, 3164-3171.	4.9	67
147	Optimal Beamforming for Dual-Hop MIMO AF Relay Networks With Cochannel Interferences. IEEE Transactions on Signal Processing, 2017, 65, 1825-1840.	3.2	13
148	Power allocation scheme and spectral efficiency analysis for downlink non-orthogonal multiple access systems. IET Signal Processing, 2017, 11, 537-543.	0.9	5
149	Throughput Analysis for Coded Multichannel ALOHA Random Access. IEEE Communications Letters, 2017, 21, 1803-1806.	2.5	3
150	Pilot Signal Design for Compressive Sensing Based Random Access in Machine-Type Communications. , 2017, , .		4
151	Physical Layer Security for Channel-Aware Random Access With Opportunistic Jamming. IEEE Transactions on Information Forensics and Security, 2017, 12, 2699-2711.	4.5	18
152	Compressive Channel Division Multiple Access for MTC Under Frequency-Selective Fading. IEEE Transactions on Communications, 2017, 65, 2715-2725.	4.9	13
153	Cooperative transmission over Rician fading channels for geostationary orbiting satellite collocation system. IET Communications, 2017, 11, 538-547.	1.5	16
154	On Channel-Aware Secure HARQ-IR. IEEE Transactions on Information Forensics and Security, 2017, 12, 351-362.	4.5	8
155	NOMA-Based Random Access With Multichannel ALOHA. IEEE Journal on Selected Areas in Communications, 2017, 35, 2736-2743.	9.7	174
156	Secret key transmission for OFDM based machine type communications. Journal of Communications and Networks, 2017, 19, 363-370.	1.8	5
157	Performance Analysis for SDMA mmWave Systems: Using an Approximate Closed-Form Solution of Downlink Sum-Rate. IEEE Access, 2017, 5, 15641-15649.	2.6	8
158	On the stability and throughput of compressive random access in MTC. , 2017, , .		5
159	Joint Rate and Power Allocation for NOMA with Statistical CSI. IEEE Transactions on Communications, 2017, , 1-1.	4.9	31
160	Secure Multiple Access Based on Multicarrier CDMA With Induced Random Flipping. IEEE Transactions on Vehicular Technology, 2017, 66, 5099-5108.	3.9	4
161	Channel-Aware Randomized Encryption and Channel Estimation Attack. IEEE Access, 2017, 5, 25046-25054.	2.6	3
162	Beamforming for Dual-Hop MIMO AF Relay Networks With Channel Estimation Error and Feedback Delay. IEEE Access, 2017, 5, 21840-21851.	2.6	7

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163	Secure Index and Data Symbol Modulation for OFDM-IM. IEEE Access, 2017, 5, 24959-24974.	2.6	31
164	On generalized downlink beamforming with NOMA. Journal of Communications and Networks, 2017, 19, 319-328.	1.8	28
165	NOMA: Principles and recent results. , 2017, , .		33
166	Compressive random access using distance based resource block selection scheme for machine type communications. , 2017, , .		2
167	Compressive sensing based power signal compression in advanced metering infrastructure. , 2017, , .		1
168	A Suboptimal Approach for Minimum Transmit Power NOMA Beamforming. , 2017, , .		6
169	Single-carrier index modulation and CS detection. , 2017, , .		8
170	Compressive Random Access for MTC in Distributed Input Distributed Output Systems. , 2017, , .		6
171	Secrecy rate of channel-aware randomized secure transmission schemes in multicarrier systems. , 2017, , .		0
172	Coverage and rate analysis of user beam selection in mm-wave heterogeneous networks. Journal of Communications and Information Networks, 2017, 2, 120-130.	3.5	1
173	Minimum Transmit Power NOMA Beamforming for Millimeter-Wave Communications. , 2017, , .		3
174	Channel division multiple access for MTC under frequency-selective fading. , 2017, , .		2
175	TDD-sparse index multiple access for joint data detection and device identification in MTC. Journal of Communications and Networks, 2017, 19, 282-290.	1.8	0
176	Beamforming Based Full-Duplex for Millimeter-Wave Communication. Sensors, 2016, 16, 1130.	2.1	36
177	Sparse Signal Detection for Space Shift Keying Using the Monte Carlo EM Algorithm. IEEE Signal Processing Letters, 2016, 23, 974-978.	2.1	5
178	On HARQ-IR for Downlink NOMA Systems. IEEE Transactions on Communications, 2016, 64, 3576-3584.	4.9	35
179	Secure Relay Beamforming with Correlated Channel Models in Dual-Hop Wireless Communication Networks. , 2016, , .		2
180	User Selection and Power Allocation Schemes for Downlink NOMA Systems with Imperfect CSI. , 2016, , .		22

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181	Compressive Random Access Using Multiple Resource Blocks for MTC. , 2016, , .		6
182	On the throughput comparison between multi-channel aloha and compressive random access. , 2016, , .		3
183	On the correctness of coherence in the determination of preambles for compressive random access. , 2016, , .		0
184	Secure compressive random access for meter reading in smart grid using multi-antenna access point. , 2016, , .		1
185	Full-Duplexing Jamming Attack for Active Eavesdropping. , 2016, , .		6
186	Secure multicarrier DS/SS with induced random flipping. , 2016, , .		1
187	Energy Efficiency Maximization for Downlink OFDMA Systems with Feedback Channel Capacity Constraints. , 2016, , .		0
188	Two-Stage Multiple Access for Many Devices of Unique Identifications over Frequency-Selective Fading Channels. IEEE Internet of Things Journal, 2016, , 1-1.	5.5	24
189	Joint device identification and data detection in physical layer for many devices in IoT. , 2016, , .		0
190	On the Adaptive Determination of the Number of Preambles in RACH for MTC. IEEE Communications Letters, 2016, , 1-1.	2.5	55
191	Sparse index multiple access for multi-carrier systems with precoding. Journal of Communications and Networks, 2016, 18, 439-445.	1.8	10
192	Subcarrier and Power Allocation for Multiuser MIMO-OFDM Systems with Various Detectors. , 2016, , .		1
193	Power Allocation for Max-Sum Rate and Max-Min Rate Proportional Fairness in NOMA. IEEE Communications Letters, 2016, 20, 2055-2058.	2.5	163
194	Secure Transmissions via Compressive Sensing in Multicarrier Systems. IEEE Signal Processing Letters, 2016, 23, 1315-1319.	2.1	14
195	Secret key transmission based on channel reciprocity for secure IoT. , 2016, , .		5
196	Large-Scale MIMO Detection Using MCMC Approach With Blockwise Sampling. IEEE Transactions on Communications, 2016, 64, 3697-3707.	4.9	31
197	On the spectral efficient nonorthogonal multiple access schemes. , 2016, , .		0
198	Re-Transmission Diversity Multiple Access Based on SIC and HARQ-IR. IEEE Transactions on Communications, 2016, 64, 4695-4705.	4.9	18

#	ARTICLE	IF	CITATIONS
199	Doubly iterative multiple-input multiple-output bit-interleaved coded modulation receiver with joint channel estimation and randomised sampling detection. IET Signal Processing, 2016, 10, 335-341.	0.9	2
200	On the sparsity for random access in machine type communications under frequency-selective fading., 2016, , .		12
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