

Giuseppe Caire

List of Publications by Year in descending order

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464
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464
times ranked

9989
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Polarized FDD Massive MIMO: A Comprehensive Framework. IEEE Transactions on Wireless Communications, 2022, 21, 840-854.	6.1	3
2	Quality-Aware Deep Reinforcement Learning for Streaming in Infrastructure-Assisted Connected Vehicles. IEEE Transactions on Vehicular Technology, 2022, 71, 2002-2017.	3.9	12
3	Distributed Linearly Separable Computation. IEEE Transactions on Information Theory, 2022, 68, 1259-1278.	1.5	7
4	OTFS vs. OFDM in the Presence of Sparsity: A Fair Comparison. IEEE Transactions on Wireless Communications, 2022, 21, 4410-4423.	6.1	25
5	Achievable Regions and Precoder Designs for the Multiple Access Wiretap Channels With Confidential and Open Messages. IEEE Journal on Selected Areas in Communications, 2022, 40, 1407-1427.	9.7	5
6	On Secure Distributed Linearly Separable Computation. IEEE Journal on Selected Areas in Communications, 2022, 40, 912-926.	9.7	5
7	Pilot-Based Unsourced Random Access With a Massive MIMO Receiver, Interference Cancellation, and Power Control. IEEE Journal on Selected Areas in Communications, 2022, 40, 1522-1534.	9.7	26
8	Cache-Aided Matrix Multiplication Retrieval. IEEE Transactions on Information Theory, 2022, 68, 4301-4319.	1.5	5
9	On the Optimal Memory-Load Tradeoff of Coded Caching for Location-Based Content. IEEE Transactions on Communications, 2022, 70, 3047-3062.	4.9	8
10	Ground-Motion Modeling as an Image Processing Task: Introducing a Neural Network Based, Fully Data-Driven, and Nonergodic Approach. Bulletin of the Seismological Society of America, 2022, 112, 1565-1582.	1.1	10
11	On the Fundamental Limits of Device-to-Device Private Caching Under Uncoded Cache Placement and User Collusion. IEEE Transactions on Information Theory, 2022, 68, 5701-5729.	1.5	2
12	LocUNet: Fast Urban Positioning Using Radio Maps and Deep Learning. , 2022, , .		5
13	On the Potential of Spatially-Spread Orthogonal Time Frequency Space Modulation for ISAC Transmissions. , 2022, , .		5
14	Cellular Traffic Offloading with Optimized Compound Single-point Unicast and Cache-based Multipoint Multicast. , 2022, , .		3
15	DNN-Assisted Particle-Based Bayesian Joint Synchronization and Localization. IEEE Transactions on Communications, 2022, 70, 4837-4851.	4.9	1
16	Beam-Space MIMO Radar with OTFS Modulation for Integrated Sensing and Communications. , 2022, , .		4
17	Sub-TeraHertz Modular Array Layout Optimization Under Fabrication Constraints. , 2022, , .		1
18	A Novel Transformation Approach of Shared-Link Coded Caching Schemes for Multiaccess Networks. IEEE Transactions on Communications, 2021, 69, 7376-7389.	4.9	18

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19	Classification of Spot-Welded Joints in Laser Thermography Data Using Convolutional Neural Networks. IEEE Access, 2021, 9, 48303-48312.	2.6	13
20	On the Tradeoff Between Computation and Communication Costs for Distributed Linearly Separable Computation. IEEE Transactions on Communications, 2021, 69, 7390-7405.	4.9	7
21	Is NOMA Efficient in Multi-Antenna Networks? A Critical Look at Next Generation Multiple Access Techniques. IEEE Open Journal of the Communications Society, 2021, 2, 1310-1343.	4.4	102
22	On Coded Caching With Private Demands. IEEE Transactions on Information Theory, 2021, 67, 358-372.	1.5	33
23	Gaussian 1-2-1 Networks: Capacity Results for mmWave Communications. IEEE Transactions on Information Theory, 2021, 67, 961-990.	1.5	3
24	Diffuse Multipath Analysis of Vehicle-to-Vulnerable Road User Channel in Urban Environment. , 2021, , .		0
25	Information Bottleneck for a Rayleigh Fading MIMO Channel with an Oblivious Relay. Information (Switzerland), 2021, 12, 155.	1.7	5
26	Adaptive Two-Sided Beam Alignment in mmWave via Posterior Matching. , 2021, , .		7
27	On the Optimality of Treating Interference as Noise: General Message Sets Revisited. , 2021, , .		0
28	On the Fundamental Limits of Fog-RAN Cache-Aided Networks With Downlink and Sidelink Communications. IEEE Transactions on Information Theory, 2021, 67, 2353-2378.	1.5	5
29	Non-Bayesian Activity Detection, Large-Scale Fading Coefficient Estimation, and Unsourced Random Access With a Massive MIMO Receiver. IEEE Transactions on Information Theory, 2021, 67, 2925-2951.	1.5	109
30	RadioUNet: Fast Radio Map Estimation With Convolutional Neural Networks. IEEE Transactions on Wireless Communications, 2021, 20, 4001-4015.	6.1	67
31	On the Optimal Load-Memory Tradeoff of Cache-Aided Scalar Linear Function Retrieval. IEEE Transactions on Information Theory, 2021, 67, 4001-4018.	1.5	13
32	On Achievable Rate of OFDM and OTFS in the Presence of Sparsity. , 2021, , .		1
33	Plug-And-Play Learned Gaussian-mixture Approximate Message Passing. , 2021, , .		5
34	Coded Caching Over Multicast Routing Networks. IEEE Transactions on Communications, 2021, 69, 3614-3627.	4.9	5
35	Making Vulnerable Road Users More Visible to Radar: A Communications Inspired Approach. , 2021, , .		0
36	Fundamental Limits of Wireless Caching Under Mixed Cacheable and Uncacheable Traffic. IEEE Transactions on Information Theory, 2021, 67, 4747-4767.	1.5	4

#	ARTICLE	IF	CITATIONS
37	A Novel Transformation Approach of Shared-link Coded Caching Schemes for Multiaccess Networks. , 2021, , .		9
38	Coded Caching under Asynchronous Demands. , 2021, , .		2
39	Secure Distributed Linearly Separable Computation. , 2021, , .		1
40	Information Bottleneck for an Oblivious Relay with Channel State Information: the Vector Case. , 2021, , .		1
41	Cache-Aided Matrix Multiplication Retrieval. , 2021, , .		0
42	Efficient Beam Scheduling for Half-Duplex mmWave Relay Networks. IEEE Transactions on Communications, 2021, 69, 5773-5789.	4.9	2
43	FDLA: A Novel Frequency Diversity and Link Aggregation Solution for Handover in an Indoor Vehicular VLC Network. IEEE Transactions on Network and Service Management, 2021, 18, 3556-3566.	3.2	7
44	On the Fundamental Limits of Cache-Aided Multiuser Private Information Retrieval. IEEE Transactions on Communications, 2021, 69, 5828-5842.	4.9	7
45	SPARCs for Unsourced Random Access. IEEE Transactions on Information Theory, 2021, 67, 6894-6915.	1.5	56
46	Cellular Networks With Finite Precision CSIT: GDoF Optimality of Multi-Cell TIN and Extremal Gains of Multi-Cell Cooperation. IEEE Transactions on Information Theory, 2021, 67, 6525-6547.	1.5	3
47	Multidimensional Reconstruction of Internal Defects in Additively Manufactured Steel Using Photothermal Super Resolution Combined With Virtual Wave-Based Image Processing. IEEE Transactions on Industrial Informatics, 2021, 17, 7368-7378.	7.2	11
48	Cache-Aided General Linear Function Retrieval. Entropy, 2021, 23, 25.	1.1	3
49	Reconfigurable Propagation Environment for Enhancing Vulnerable Road Users' Visibility to Automotive Radar. , 2021, , .		2
50	Beam Refinement and User State Acquisition via Integrated Sensing and Communication with OFDM. , 2021, , .		4
51	Pilot-Based Unsourced Random Access with a Massive MIMO Receiver in the Quasi-Static Fading Regime. , 2021, , .		16
52	The Impact of Subspace-Based Pilot Decontamination in User-Centric Scalable Cell-Free Wireless Networks. , 2021, , .		8
53	Adaptive Beam Tracking based on Recurrent Neural Networks for mmWave Channels. , 2021, , .		8
54	Orthogonal Multipoint Multicast Caching in OFDM Cellular Networks with ICI and IBI. , 2021, , .		2

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55	Design of Robust LoS MIMO Systems with UCAs. , 2021, , .		5
56	Topological Pilot Assignment in Cell-Free Massive MIMO Networks. , 2021, , .		1
57	Millimeter Wave Beam Alignment with Symbol Based Beam Switching for Wideband Time-varying Channels. , 2021, , .		0
58	Joint User Selection, Power Allocation, and Precoding Design With Imperfect CSIT for Multi-Cell MU-MIMO Downlink Systems. IEEE Transactions on Wireless Communications, 2020, 19, 162-176.	6.1	69
59	Capacity Scaling of Massive MIMO in Strong Spatial Correlation Regimes. IEEE Transactions on Information Theory, 2020, 66, 3040-3064.	1.5	10
60	Weighted Sum Secrecy Rate Maximization for D2D Underlaid Cellular Networks. IEEE Transactions on Communications, 2020, 68, 349-362.	4.9	11
61	Fully-/Partially-Connected Hybrid Beamforming Architectures for mmWave MU-MIMO. IEEE Transactions on Wireless Communications, 2020, 19, 1754-1769.	6.1	38
62	Gaussian 1-2-1 Networks with Imperfect Beamforming. , 2020, , .		3
63	Queue-Aware Beam Scheduling for Half-Duplex mmWave Relay Networks. , 2020, , .		2
64	Cache-Aided Scalar Linear Function Retrieval. , 2020, , .		2
65	Fundamental Limits of Wireless Caching Under Mixed Cacheable and Uncacheable Traffic. , 2020, , .		5
66	An Achievable Region for the Multiple Access Wiretap Channels with Confidential and Open Messages. , 2020, , .		5
67	Structured Channel Covariance Estimation from Limited Samples in Massive MIMO. , 2020, , .		10
68	Cache Optimization Models and Algorithms. Foundations and Trends in Communications and Information Theory, 2020, 16, 156-345.	2.4	10
69	Novel Converse for Device-to-Device Demand-Private Caching with a Trusted Server. , 2020, , .		4
70	Device-to-Device Private Caching with Trusted Server. , 2020, , .		3
71	Optimality of Treating Inter-Cell Interference as Noise Under Finite Precision CSIT. , 2020, , .		2
72	A Flexible Transport Layer Protocol Architecture for Handover in a Vehicular VLC Network. , 2020, , .		3

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73	Randomized Channel Sparsifying Hybrid Precoding for FDD Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 5447-5460.	6.1	6
74	On the Optimality of Treating Inter-Cell Interference as Noise: Downlink Cellular Networks and Uplink-Downlink Duality. IEEE Transactions on Information Theory, 2020, 66, 6939-6961.	1.5	9
75	On the Effectiveness of OTFS for Joint Radar Parameter Estimation and Communication. IEEE Transactions on Wireless Communications, 2020, 19, 5951-5965.	6.1	166
76	Cooperative Wireless Mobile Caching: A Signal Processing Perspective. IEEE Signal Processing Magazine, 2020, 37, 18-38.	4.6	4
77	Fundamental Limits of Decentralized Data Shuffling. IEEE Transactions on Information Theory, 2020, 66, 3616-3637.	1.5	17
78	Massive Access for Future Wireless Communication Systems. IEEE Wireless Communications, 2020, 27, 148-156.	6.6	114
79	Pathloss Prediction using Deep Learning with Applications to Cellular Optimization and Efficient D2D Link Scheduling. , 2020, , .		17
80	Measurement-based geometrical characterisation of the vehicle-to-vulnerable-road-user communication channel. IET Microwaves, Antennas and Propagation, 2020, 14, 1700-1710.	0.7	4
81	Joint Radar Target Detection and Parameter Estimation with MIMO OTFS. , 2020, , .		11
82	Cache-Aided Modulation for Heterogeneous Coded Caching over a Gaussian Broadcast Channel. , 2020, , .		2
83	Laser excited super resolution thermal imaging for nondestructive inspection of internal defects. Scientific Reports, 2020, 10, 22357.	1.6	12
84	Joint Approximate Covariance Diagonalization with Applications in MIMO Virtual Beam Design. , 2020, , .		1
85	Deep Learning for Geometrically-Consistent Angular Power Spread Function Estimation in Massive MIMO. , 2020, , .		3
86	Analyzing Interface Bonding Schemes for VLC with Mobility and Shadowing. , 2020, , .		2
87	Bringing hybrid analog-digital beamforming to commercial MU-MIMO wifi networks. , 2020, , .		1
88	WiFi-Based Channel Impulse Response Estimation and Localization via Multi-Band Splicing. , 2020, , .		4
89	On the Optimality of D2D Coded Caching With Uncoded Cache Placement and One-Shot Delivery. IEEE Transactions on Communications, 2019, 67, 8179-8192.	4.9	37
90	On D2D Caching with Uncoded Cache Placement. , 2019, , .		0

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91	SPARCs and AMP for Unsourced Random Access. , 2019, , .		67
92	A New Order-Optimal Decentralized Coded Caching Scheme With Good Performance in the Finite File Size Regime. IEEE Transactions on Communications, 2019, 67, 5297-5310.	4.9	23
93	Large-Scale Fading Characteristics and Models for Vehicle-to-Pedestrian Channel at 5-GHz. IEEE Access, 2019, 7, 107648-107658.	2.6	19
94	Performance Analysis of Joint Radar and Communication using OFDM and OTFS. , 2019, , .		56
95	On the Fundamental Limits of MIMO Massive Multiple Access Channels. , 2019, , .		7
96	Efficient Beam Alignment for Millimeter Wave Single-Carrier Systems With Hybrid MIMO Transceivers. IEEE Transactions on Wireless Communications, 2019, 18, 1518-1533.	6.1	61
97	On the Capacity of Cloud Radio Access Networks With Oblivious Relaying. IEEE Transactions on Information Theory, 2019, 65, 4575-4596.	1.5	33
98	Low-Overhead Hierarchically-Sparse Channel Estimation for Multiuser Wideband Massive MIMO. IEEE Transactions on Wireless Communications, 2019, 18, 2186-2199.	6.1	22
99	Delay Performance of the Multiuser MISO Downlink Under Imperfect CSI and Finite-Length Coding. IEEE Journal on Selected Areas in Communications, 2019, 37, 765-779.	9.7	31
100	Data-Aided Secure Massive MIMO Transmission Under the Pilot Contamination Attack. IEEE Transactions on Communications, 2019, 67, 4765-4781.	4.9	20
101	Efficient Algorithms for Coded Multicasting in Heterogeneous Caching Networks. Entropy, 2019, 21, 324.	1.1	5
102	Sparse Non-Negative Recovery from Shifted Symmetric Subgaussian Measurements using NNLS. , 2019, , .		4
103	Polynomial-time Capacity Calculation and Scheduling for Half-Duplex 1-2-1 Networks. , 2019, , .		6
104	Bridging the Gap between Multiplexing and Diversity in Finite SNR Multiple Antenna Coded Caching. , 2019, , .		4
105	Uplink-Downlink Channel Covariance Transformations and Precoding Design for FDD Massive MIMO. , 2019, , .		4
106	On Coded Caching with Correlated Files. , 2019, , .		6
107	Coded Caching with Small Subpacketization via Spatial Reuse and Content Base Replication. , 2019, , .		1
108	Grant-Free Massive Random Access With a Massive MIMO Receiver. , 2019, , .		33

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109	WiFi-Based Indoor Localization via Multi-Band Splicing and Phase Retrieval. , 2019, , .		10
110	Flight: A Flexible Light Communications network architecture for indoor environments. , 2019, , .		8
111	A Novel Cache-aided Fog-RAN Architecture. , 2019, , .		4
112	Routing-Based Delivery in Combination-Type Networks with Random Topology. , 2019, , .		0
113	On the Achievable Rates of Virtual Full-Duplex Relay Channel. IEEE Transactions on Information Theory, 2019, 65, 354-367.	1.5	5
114	Physical-Layer Schemes for Wireless Coded Caching. IEEE Transactions on Information Theory, 2019, 65, 2792-2807.	1.5	53
115	Fast HARQ Over Finite Blocklength Codes: A Technique for Low-Latency Reliable Communication. IEEE Transactions on Wireless Communications, 2019, 18, 194-209.	6.1	63
116	FDD Massive MIMO via UL/DL Channel Covariance Extrapolation and Active Channel Sparsification. IEEE Transactions on Wireless Communications, 2019, 18, 121-135.	6.1	83
117	Low-Complexity Truncated Polynomial Expansion DL Precoders and UL Receivers for Massive MIMO in Correlated Channels. IEEE Transactions on Wireless Communications, 2019, 18, 1069-1084.	6.1	10
118	Achieving Spatial Scalability for Coded Caching via Coded Multipoint Multicasting. IEEE Transactions on Wireless Communications, 2019, 18, 227-240.	6.1	22
119	Fog Massive MIMO: A User-Centric Seamless Hot-Spot Architecture. IEEE Transactions on Wireless Communications, 2019, 18, 559-574.	6.1	21
120	Cache-Induced Hierarchical Cooperation in Wireless Device-to-Device Caching Networks. IEEE Transactions on Information Theory, 2018, 64, 4629-4652.	1.5	16
121	On the Ergodic Rate Lower Bounds With Applications to Massive MIMO. IEEE Transactions on Wireless Communications, 2018, 17, 3258-3268.	6.1	76
122	Controllable Identifier Measurements for Private Authentication With Secret Keys. IEEE Transactions on Information Forensics and Security, 2018, 13, 1945-1959.	4.5	21
123	A Survey of Physical Layer Security Techniques for 5G Wireless Networks and Challenges Ahead. IEEE Journal on Selected Areas in Communications, 2018, 36, 679-695.	9.7	550
124	Signal Recovery From Unlabeled Samples. IEEE Transactions on Signal Processing, 2018, 66, 1242-1257.	3.2	29
125	Low-Complexity Massive MIMO Subspace Estimation and Tracking From Low-Dimensional Projections. IEEE Transactions on Signal Processing, 2018, 66, 1832-1844.	3.2	32
126	Game Theory-Based Resource Allocation for Secure WPCN Multiantenna Multicasting Systems. IEEE Transactions on Information Forensics and Security, 2018, 13, 926-939.	4.5	18

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127	Topological Interference Management With Decoded Message Passing. IEEE Transactions on Information Theory, 2018, 64, 3842-3864.	1.5	19
128	Multihop Routing in Hybrid Vehicle-to-Vehicle and Vehicle-to-Infrastructure Networks. , 2018, , .		3
129	On-the-Fly Large-Scale Channel-Gain Estimation for Massive Antenna-Array Base Stations. , 2018, , .		9
130	Information Bottleneck for an Oblivious Relay with Channel State Information: the Scalar Case. , 2018, , .		4
131	UAV-to-Ground Multi-Hop Communication Using Backpressure and FlashLinQ-Based Algorithms. , 2018, , .		8
132	Guest Editorial Physical Layer Security for 5G Wireless Networks, Part II. IEEE Journal on Selected Areas in Communications, 2018, 36, 1363-1366.	9.7	1
133	Delay Performance of the Multiuser MISO Downlink. , 2018, , .		2
134	Improved Scaling Law for Activity Detection in Massive MIMO Systems. , 2018, , .		87
135	Uplink Oblivious Cloud Radio Access Networks: An Information Theoretic Overview. , 2018, , .		0
136	Guest Editorial Caching for Communication Systems and Networksâ€™Part II. IEEE Journal on Selected Areas in Communications, 2018, 36, 1663-1665.	9.7	3
137	Data-Aided Secure Massive MIMO Transmission with Active Eavesdropping. , 2018, , .		6
138	Gaussian 1-2-1 Networks: Capacity Results for mmWave Communications. , 2018, , .		9
139	The Role of Caching in Future Communication Systems and Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1111-1125.	9.7	178
140	Fog Massive MIMO with On-the-Fly Pilot Contamination Control. , 2018, , .		5
141	Spatially Scalable Lossy Coded Caching. , 2018, , .		3
142	On the Beamformed Broadcasting for Millimeter Wave Cell Discovery: Performance Analysis and Design Insight. IEEE Transactions on Wireless Communications, 2018, 17, 7620-7634.	6.1	14
143	Joint State Sensing and Communication: Optimal Tradeoff for a Memoryless Case. , 2018, , .		58
144	A Scalable and Statistically Robust Beam Alignment Technique for Millimeter-Wave Systems. IEEE Transactions on Wireless Communications, 2018, 17, 4792-4805.	6.1	62

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145	An Efficient CS-Based and Statistically Robust Beam Alignment Scheme for mmWave Systems. , 2018, , .		2
146	Guest Editorial Physical Layer Security for 5G Wireless Networks, Part I. IEEE Journal on Selected Areas in Communications, 2018, 36, 675-678.	9.7	1
147	Joint User Scheduling, Power Allocation, and Precoding Design for Massive MIMO Systems: A Principal Component Analysis Approach. , 2018, , .		10
148	How to Achieve Massive MIMO Gains in FDD Systems?. , 2018, , .		3
149	Low-Complexity Statistically Robust Precoder/Detector Computation for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 6516-6530.	6.1	51
150	FDD Massive MIMO: Efficient Downlink Probing and Uplink Feedback via Active Channel Sparsification. , 2018, , .		5
151	Multi-Band Covariance Interpolation with Applications in Massive MIMO. , 2018, , .		25
152	Uncoded placement optimization for coded delivery. , 2018, , .		19
153	Tracking of Wideband Multipath Components in a Vehicular Communication Scenario. IEEE Transactions on Vehicular Technology, 2017, 66, 15-25.	3.9	23
154	Wireless Multihop Device-to-Device Caching Networks. IEEE Transactions on Information Theory, 2017, 63, 1662-1676.	1.5	48
155	A Joint Scheduling and Resource Allocation Scheme for Millimeter Wave Heterogeneous Networks. , 2017, , .		17
156	Order-Optimal Rate of Caching and Coded Multicasting With Random Demands. IEEE Transactions on Information Theory, 2017, 63, 3923-3949.	1.5	133
157	Radio Resource Management Considerations for 5G Millimeter Wave Backhaul and Access Networks. , 2017, 55, 86-92.		64
158	Line-of-Sight Millimeter-Wave Communications Using Orbital Angular Momentum Multiplexing Combined With Conventional Spatial Multiplexing. IEEE Transactions on Wireless Communications, 2017, 16, 3151-3161.	6.1	130
159	Fundamental limits of distributed caching in multihop D2D wireless networks. , 2017, , .		12
160	Capacity scaling of wireless device-to-device caching networks under the physical model. , 2017, , .		0
161	Multi-antenna coded caching. , 2017, , .		42
162	Massive MIMO Pilot Decontamination and Channel Interpolation via Wideband Sparse Channel Estimation. IEEE Transactions on Wireless Communications, 2017, 16, 8316-8332.	6.1	74

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163	Measurement-Based Wideband Analysis of Dynamic Multipath Propagation in Vehicular Communication Scenarios. IEEE Transactions on Vehicular Technology, 2017, 66, 4657-4667.	3.9	16
164	On the Role of Transmit Correlation Diversity in Multiuser MIMO Systems. IEEE Transactions on Information Theory, 2017, 63, 336-354.	1.5	53
165	Massive MIMO Channel Subspace Estimation From Low-Dimensional Projections. IEEE Transactions on Signal Processing, 2017, 65, 303-318.	3.2	111
166	Analysis of Broadcast Signaling for Millimeter Wave Cell Discovery. , 2017, , .		1
167	Signal recovery from unlabeled samples. , 2017, , .		9
168	Compressive estimation of a stochastic process with unknown autocorrelation function. , 2017, , .		0
169	On the capacity of cloud radio access networks with oblivious relaying. , 2017, , .		16
170	Topological interference management with decoded message passing: A polyhedral approach. , 2017, , .		0
171	Low-complexity massive MIMO subspace tracking from low-dimensional projections. , 2017, , .		4
172	Directional training and fast sector-based processing schemes for mmWave channels. , 2017, , .		13
173	Synchronization signal design and hierarchical detection for the D2D sidelink. , 2017, , .		3
174	Capacity and degree-of-freedom of OFDM channels with amplitude constraint. , 2016, , .		5
175	On the throughput rate of wireless multipoint multicasting. , 2016, , .		1
176	Pilot decontamination through compressive wideband channel estimation. , 2016, , .		2
177	Scheduling in Massive MIMO: User clustering and pilot assignment. , 2016, , .		20
178	Propagation Channel in a Rural Overtaking Scenario with Large Obstructing Vehicles. , 2016, , .		4
179	Order-Optimal Decentralized Coded Caching Schemes with Good Performance in Finite File Size Regime. , 2016, , .		8
180	The beam alignment problem in mmWave wireless networks. , 2016, , .		21

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181	Private authentication with controllable measurement. , 2016, , .		1
182	Secret key generation through a relay. , 2016, , .		1
183	A novel alternative to cloud RAN for throughput densification: Coded pilots and fast user-packet scheduling at remote radio heads. , 2016, , .		10
184	RRH based massive MIMO with "œœon the Fly" pilot contamination control. , 2016, , .		36
185	High-rate WiFi broadcasting in crowded scenarios via lightweight coordination of multiple access points. , 2016, , .		13
186	Wireless caching: technical misconceptions and business barriers. , 2016, 54, 16-22.		253
187	Topological coded caching. , 2016, , .		20
188	Rate and delay for coded caching with carrier aggregation. , 2016, , .		6
189	Topological interference management with decoded message passing. , 2016, , .		4
190	Expanding the Compute-and-Forward Framework: Unequal Powers, Signal Levels, and Multiple Linear Combinations. IEEE Transactions on Information Theory, 2016, 62, 4879-4909.	1.5	43
191	Secret Key-Based Identification and Authentication With a Privacy Constraint. IEEE Transactions on Information Theory, 2016, 62, 6189-6203.	1.5	13
192	An unconventional clustering problem: User Service Profile Optimization. , 2016, , .		7
193	Privacy-constrained remote source coding. , 2016, , .		4
194	Secure Massive MIMO Transmission With an Active Eavesdropper. IEEE Transactions on Information Theory, 2016, 62, 3880-3900.	1.5	264
195	Performance modeling of next-generation WiFi networks. Computer Networks, 2016, 105, 150-165.	3.2	12
196	Optimality of Treating Interference as Noise: A Combinatorial Perspective. IEEE Transactions on Information Theory, 2016, 62, 4654-4673.	1.5	47
197	Fundamental Limits of Caching in Wireless D2D Networks. IEEE Transactions on Information Theory, 2016, 62, 849-869.	1.5	486
198	Optimal User-Cell Association for Massive MIMO Wireless Networks. IEEE Transactions on Wireless Communications, 2016, 15, 1835-1850.	6.1	145

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199	A Rate Splitting Strategy for Massive MIMO with Imperfect CSIT. IEEE Transactions on Wireless Communications, 2016, , 1-1.	6.1	156
200	WiFlix: Adaptive Video Streaming in Massive MU-MIMO Wireless Networks. IEEE Transactions on Wireless Communications, 2016, 15, 4088-4103.	6.1	28
201	Capacity Analysis of Interlaced Clustering in a Distributed Transmission System With/Without CSIT. IEEE Transactions on Wireless Communications, 2016, 15, 2629-2641.	6.1	4
202	Quality-Aware Streaming and Scheduling for Device-to-Device Video Delivery. IEEE/ACM Transactions on Networking, 2016, 24, 2319-2331.	2.6	138
203	Wireless Device-to-Device Caching Networks: Basic Principles and System Performance. IEEE Journal on Selected Areas in Communications, 2016, 34, 176-189.	9.7	489
204	Propagation of Multipath Components at an Urban Intersection. , 2015, , .		5
205	Caching in combination networks. , 2015, , .		32
206	Capacity analysis of interlaced clustering in a distributed antenna system. , 2015, , .		3
207	Directional ZigZag: Neighbor Discovery with Directional Antennas. , 2015, , .		9
208	Caching-aided coded multicasting with multiple random requests. , 2015, , .		37
209	Multi-stage beamforming for interference coordination in massive MIMO networks. , 2015, , .		5
210	On the fundamental limits of caching in combination networks. , 2015, , .		49
211	Achieving large multiplexing gain in distributed antenna systems via cooperation with pCell technology. , 2015, , .		36
212	A hierarchical rate splitting strategy for FDD massive MIMO under imperfect CSIT. , 2015, , .		5
213	On the optimality of treating interference as noise: A combinatorial optimization perspective. , 2015, , .		6
214	Optimal tradeoff of secure PUF-based authentication. , 2015, , .		2
215	ITLinQ+: An improved spectrum sharing mechanism for device-to-device communications. , 2015, , .		16
216	Multihop virtual full-duplex relay channels. , 2015, , .		5

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