Osvaldo Simeone

List of Publications by Year
in descending order

364 papers	13,009 citations	50276 46 h-index	30087 103 g-index
366 all docs	366 docs citations	366 times ranked	8130 citing authors

#	Article	IF	Citations
1	Joint Design of Radar Waveform and Detector via End-to-End Learning With Waveform Constraints. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 552-567.	4.7	7
2	Multiscale Wavelet Transfer Entropy With Application to Corticomuscular Coupling Analysis. IEEE Transactions on Biomedical Engineering, 2022, 69, 771-782.	4.2	12
3	Channel-Driven Monte Carlo Sampling for Bayesian Distributed Learning in Wireless Data Centers. IEEE Journal on Selected Areas in Communications, 2022, 40, 562-577.	14.0	2
4	Transfer Meta-Learning: Information- Theoretic Bounds and Information Meta-Risk Minimization. IEEE Transactions on Information Theory, 2022, 68, 474-501.	2.4	4
5	Multisample Online Learning for Probabilistic Spiking Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2034-2044.	11.3	3
6	Training Hybrid Classical-Quantum Classifiers via Stochastic Variational Optimization. IEEE Signal Processing Letters, 2022, 29, 977-981.	3.6	5
7	An Information-Theoretic Analysis of the Cost of Decentralization for Learning and Inference under Privacy Constraints. Entropy, 2022, 24, 485.	2.2	0
8	Federated Generalized Bayesian Learning via Distributed Stein Variational Gradient Descent. IEEE Transactions on Signal Processing, 2022, 70, 2180-2192.	5.3	9
9	Predicting Flat-Fading Channels via Meta-Learned Closed-Form Linear Filters and Equilibrium Propagation. , 2022, , .		0
10	AI-Based Channel Prediction in D2D Links: An Empirical Validation. IEEE Access, 2022, 10, 65459-65472.	4.2	8
11	Robust Design of Rate-Splitting Multiple Access With Imperfect CSI for Cell-Free MIMO Systems. , 2022, , .		2
12	LAGC: Lazily Aggregated Gradient Coding for Straggler-Tolerant and Communication-Efficient Distributed Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 962-974.	11.3	12
13	Privacy for Free: Wireless Federated Learning via Uncoded Transmission With Adaptive Power Control. IEEE Journal on Selected Areas in Communications, 2021, 39, 170-185.	14.0	117
14	Adaptive Coding and Channel Shaping Through Reconfigurable Intelligent Surfaces: An Information-Theoretic Analysis. IEEE Transactions on Communications, 2021, 69, 7320-7334.	7.8	15
15	Learning to Demodulate From Few Pilots via Offline and Online Meta-Learning. IEEE Transactions on Signal Processing, 2021, 69, 226-239.	5.3	54
16	Joint Source-Channel Coding for Semantics-Aware Grant-Free Radio Access in IoT Fog Networks. IEEE Signal Processing Letters, 2021, 28, 728-732.	3.6	10
17	Information-Theoretic Generalization Bounds for Meta-Learning and Applications. Entropy, 2021, 23, 126.	2.2	13
18	Free Energy Minimization: A Unified Framework for Modeling, Inference, Learning, and Optimization [Lecture Notes]. IEEE Signal Processing Magazine, 2021, 38, 120-125.	5.6	9

#	Article	IF	Citations
19	Coded Computing and Cooperative Transmission for Wireless Distributed Matrix Multiplication. IEEE Transactions on Communications, 2021, 69, 2224-2239.	7.8	11
20	Meta-ViterbiNet: Online Meta-Learned Viterbi Equalization for Non-Stationary Channels. , 2021, , .		12
21	Spiking Neural Networksâ€"Part III: Neuromorphic Communications. IEEE Communications Letters, 2021, 25, 1746-1750.	4.1	9
22	Spiking Neural Networksâ€"Part II: Detecting Spatio-Temporal Patterns. IEEE Communications Letters, 2021, 25, 1741-1745.	4.1	18
23	Fast On-Device Adaptation for Spiking Neural Networks Via Online-Within-Online Meta-Learning. , 2021, , .		4
24	BiSNN: Training Spiking Neural Networks with Binary Weights via Bayesian Learning. , 2021, , .		6
25	Multi-Sample Online Learning for Spiking Neural Networks Based on Generalized Expectation Maximization. , 2021, , .		1
26	Spiking Neural Networksâ€"Part I: Detecting Spatial Patterns. IEEE Communications Letters, 2021, 25, 1736-1740.	4.1	2
27	An Information-Theoretic Analysis of the Impact of Task Similarity on Meta-Learning. , 2021, , .		4
28	Single-RF Multi-User Communication Through Reconfigurable Intelligent Surfaces: An Information-Theoretic Analysis. , 2021, , .		7
29	Guest Editorial for Special Issue on Coded Computing. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 813-813.	2.5	1
30	Collaborative Cloud and Edge Mobile Computing in C-RAN Systems With Minimal End-to-End Latency. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 259-274.	2.8	13
31	VOWEL: A Local Online Learning Rule for Recurrent Networks of Probabilistic Spiking Winner- Take-All Circuits. , 2021, , .		3
32	Prediction of mmWave/THz Link Blockages Through Meta-Learning and Recurrent Neural Networks. IEEE Wireless Communications Letters, 2021, 10, 2815-2819.	5.0	12
33	Federated Learning Over Wireless Device-to-Device Networks: Algorithms and Convergence Analysis. IEEE Journal on Selected Areas in Communications, 2021, 39, 3723-3741.	14.0	31
34	Bayesian Variational Federated Learning and Unlearning in Decentralized Networks. , 2021, , .		1
35	Fast Power Control Adaptation via Meta-Learning for Random Edge Graph Neural Networks. , 2021, , .		13
36	Transfer Bayesian Meta-Learning Via Weighted Free Energy Minimization. , 2021, , .		0

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37	A Unified PAC-Bayesian Framework for Machine Unlearning via Information Risk Minimization. , 2021, , .		2
38	Fast Data-Driven Adaptation of Radar Detection via Meta-Learning. , 2021, , .		2
39	Non-Orthogonal Unicast and Broadcast Transmission via Joint Beamforming and LDM in Cellular Networks. IEEE Transactions on Broadcasting, 2020, 66, 216-228.	3.2	17
40	How Much Can D2D Communication Reduce Content Delivery Latency in Fog Networks With Edge Caching?. IEEE Transactions on Communications, 2020, 68, 2308-2323.	7.8	17
41	Multi-Cell Mobile Edge Coded Computing: Trading Communication and Computing for Distributed Matrix Multiplication. , 2020, , .		5
42	Information-Centric Grant-Free Access for IoT Fog Networks: Edge vs. Cloud Detection and Learning. IEEE Transactions on Wireless Communications, 2020, 19, 6347-6361.	9.2	9
43	Adaptive Offline and Online Similarity-Based Caching. IEEE Networking Letters, 2020, 2, 175-179.	1.9	12
44	Memristorsâ€"From Inâ€Memory Computing, Deep Learning Acceleration, and Spiking Neural Networks to the Future of Neuromorphic and Bioâ€Inspired Computing. Advanced Intelligent Systems, 2020, 2, 2000085.	6.1	143
45	Joint Source-Channel Coding and Bayesian Message Passing Detection for Grant-Free Radio Access in IoT. , 2020, , .		5
46	End-to-End Fast Training of Communication Links Without a Channel Model via Online Meta-Learning. , 2020, , .		20
47	Inter-Tenant Cooperative Reception for C-RAN Systems With Spectrum Pooling. , 2020, , .		4
48	Decentralized Federated Learning via SGD over Wireless D2D Networks. , 2020, , .		47
49	Coded Computation Against Straggling Channel Decoders in the Cloud for Gaussian Channels. , 2020, , .		1
50	Beyond Max-SNR: Joint Encoding for Reconfigurable Intelligent Surfaces. , 2020, , .		32
51	Meta-Learning to Communicate: Fast End-to-End Training for Fading Channels. , 2020, , .		30
52	Semantic-Effectiveness Filtering and Control for Post-5G Wireless Connectivity. Journal of the Indian Institute of Science, 2020, 100, 435-443.	1.9	51
53	From Learning to Meta-Learning: Reduced Training Overhead and Complexity for Communication Systems. , 2020, , .		42
54	Reconfigurable Intelligent Surfaces vs. Relaying: Differences, Similarities, and Performance Comparison. IEEE Open Journal of the Communications Society, 2020, 1, 798-807.	6.9	445

#	Article	IF	Citations
55	Private and Secure Distributed Matrix Multiplication With Flexible Communication Load. IEEE Transactions on Information Forensics and Security, 2020, 15, 2722-2734.	6.9	55
56	Federated Neuromorphic Learning of Spiking Neural Networks for Low-Power Edge Intelligence. , 2020, , .		12
57	End-to-End Learning of Neuromorphic Wireless Systems for Low-Power Edge Artificial Intelligence. , 2020, , .		7
58	Optimizing Pipelined Computation and Communication for Latency-Constrained Edge Learning. IEEE Communications Letters, 2019, 23, 1542-1546.	4.1	14
59	Online Reinforcement Learning of X-Haul Content Delivery Mode in Fog Radio Access Networks. IEEE Signal Processing Letters, 2019, 26, 1451-1455.	3.6	8
60	Fundamental Limits of Cloud and Cache-Aided Interference Management With Multi-Antenna Edge Nodes. IEEE Transactions on Information Theory, 2019, 65, 5197-5214.	2.4	14
61	Learning Algorithms and Signal Processing for Brain-Inspired Computing [From the Guest Editors]. IEEE Signal Processing Magazine, 2019, 36, 12-15.	5.6	6
62	An Introduction to Probabilistic Spiking Neural Networks: Probabilistic Models, Learning Rules, and Applications. IEEE Signal Processing Magazine, 2019, 36, 64-77.	5.6	51
63	On Model Coding for Distributed Inference and Transmission in Mobile Edge Computing Systems. IEEE Communications Letters, 2019, 23, 1065-1068.	4.1	25
64	Online Supervised Learning for Traffic Load Prediction in Framed-ALOHA Networks. IEEE Communications Letters, 2019, 23, 1778-1782.	4.1	21
65	Blind Sparse Estimation of Intermittent Sources Over Unknown Fading Channels. IEEE Transactions on Vehicular Technology, 2019, 68, 9861-9871.	6.3	5
66	Learning How to Demodulate from Few Pilots via Meta-Learning. , 2019, , .		14
67	Robust Baseband Compression Against Congestion in Packet-Based Fronthaul Networks Using Multiple Description Coding. Entropy, 2019, 21, 433.	2.2	6
68	Training Dynamic Exponential Family Models with Causal and Lateral Dependencies for Generalized Neuromorphic Computing. , 2019, , .		5
69	Cooperative Deep Reinforcement Learning for Multiple-group NB-IoT Networks Optimization. , 2019, , .		16
70	Improved Latency-communication Trade-off for Map-shuffle-reduce Systems with Stragglers. , 2019, , .		13
71	Joint Design of Fronthauling and Hybrid Beamforming for Downlink C-RAN Systems. IEEE Transactions on Communications, 2019, 67, 4423-4434.	7.8	23
72	Reliable Transmission of Short Packets Through Queues and Noisy Channels Under Latency and Peak-Age Violation Guarantees. IEEE Journal on Selected Areas in Communications, 2019, 37, 721-734.	14.0	83

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73	Non-Orthogonal Multiplexing of Ultra-Reliable and Broadband Services in Fog-Radio Architectures. IEEE Access, 2019, 7, 13035-13049.	4.2	38
74	Cloud-Aided Interference Management with Cache-Enabled Edge Nodes and Users. , 2019, , .		2
75	Learning First-to-Spike Policies for Neuromorphic Control Using Policy Gradients. , 2019, , .		6
76	End-to-end Learning of Waveform Generation and Detection for Radar Systems. , 2019, , .		10
77	Latency Limits for Content Delivery in a Fog-RAN with D2D Communication. , 2019, , .		0
78	Wireless Federated Distillation for Distributed Edge Learning with Heterogeneous Data. , 2019, , .		62
79	Learning-based Physical Layer Communications for Multiagent Collaboration. , 2019, , .		14
80	Soft-TTL: Time-Varying Fractional Caching. IEEE Networking Letters, 2019, 1, 18-21.	1.9	3
81	Coded Computation Against Processing Delays for Virtualized Cloud-Based Channel Decoding. IEEE Transactions on Communications, 2019, 67, 28-38.	7.8	12
82	Introducing Information Measures via Inference [Lecture Notes]. IEEE Signal Processing Magazine, 2018, 35, 167-171.	5.6	1
83	Control-Data Separation With Decentralized Edge Control in Fog-Assisted Uplink Communications. IEEE Transactions on Wireless Communications, 2018, 17, 3686-3696.	9.2	12
84	Mobile Edge Computing via a UAV-Mounted Cloudlet: Optimization of Bit Allocation and Path Planning. IEEE Transactions on Vehicular Technology, 2018, 67, 2049-2063.	6.3	597
85	Zero-Delay Source-Channel Coding With a Low-Resolution ADC Front End. IEEE Transactions on Information Theory, 2018, 64, 1241-1261.	2.4	3
86	Cloud-Edge Non-Orthogonal Transmission for Fog Networks with Delayed CSI at the Cloud. , 2018, , .		4
87	A Very Brief Introduction to Machine Learning With Applications to Communication Systems. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 648-664.	7.9	329
88	Multi-Tenant C-RAN With Spectrum Pooling: Downlink Optimization Under Privacy Constraints. IEEE Transactions on Vehicular Technology, 2018, 67, 10492-10503.	6.3	16
89	Reliable and Low-Latency Fronthaul for Tactile Internet Applications. IEEE Journal on Selected Areas in Communications, 2018, 36, 2455-2463.	14.0	25
90	5G Wireless Network Slicing for eMBB, URLLC, and mMTC: A Communication-Theoretic View. IEEE Access, 2018, 6, 55765-55779.	4.2	582

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91	Optimizing Spectrum Pooling for Multi-Tenant C-RAN Under Privacy Constraints. , 2018, , .		1
92	A Brief Introduction to Machine Learning for Engineers. Foundations and Trends in Signal Processing, 2018, 12, 200-431.	18.0	65
93	On the interplay between edge caching and HARQ in Fog-RAN. , 2018, , .		1
94	Optimization of Massive Full-Dimensional MIMO for Positioning and Communication. IEEE Transactions on Wireless Communications, 2018, 17, 6205-6217.	9.2	15
95	Minimizing Latency to Support VR Social Interactions Over Wireless Cellular Systems via Bandwidth Allocation. IEEE Wireless Communications Letters, 2018, 7, 776-779.	5.0	22
96	Online Edge Caching and Wireless Delivery in Fog-Aided Networks With Dynamic Content Popularity. IEEE Journal on Selected Areas in Communications, 2018, 36, 1189-1202.	14.0	64
97	Code-Aided Channel Tracking and Decoding Over Sparse Fast-Fading Multipath Channels With an Application to Train Backbone Networks. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 481-492.	8.0	15
98	Layered Downlink Precoding for C-RAN Systems With Full Dimensional MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 2170-2182.	6.3	16
99	Joint Uplink/Downlink Optimization for Backhaul-Limited Mobile Cloud Computing With User Scheduling. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 787-802.	2.8	46
100	On the Trade-Off Between Computational Load and Reliability for Network Function Virtualization. IEEE Communications Letters, 2017, 21, 1767-1770.	4.1	32
101	Energy-Efficient Resource Allocation for Mobile Edge Computing-Based Augmented Reality Applications. IEEE Wireless Communications Letters, 2017, 6, 398-401.	5.0	279
102	Control-Data Separation across Edge and Cloud for Uplink Communications in C-RAN. , 2017, , .		3
103	Cloud-Aided Edge Caching with Wireless Multicast Fronthauling in Fog Radio Access Networks. , 2017, , .		16
104	Mobile cloud computing with a UAVâ€mounted cloudlet: optimal bit allocation for communication and computation. IET Communications, 2017, 11, 969-974.	2.2	60
105	Optimal fronthaul compression for synchronization in the uplink of cloud radio access networks. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	2.4	4
106	Random Access in C-RAN for User Activity Detection With Limited-Capacity Fronthaul. IEEE Signal Processing Letters, 2017, 24, 17-21.	3.6	33
107	Online edge caching in fog-aided wireless networks. , 2017, , .		16
108	Fog-Aided Wireless Networks for Content Delivery: Fundamental Latency Tradeoffs. IEEE Transactions on Information Theory, 2017, 63, 6650-6678.	2.4	114

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109	Fronthaul-Aware Design for Cloud Radio Access Networks. , 2017, , 48-75.		1
110	Uplink HARQ for Cloud RAN via Separation of Control and Data Planes. IEEE Transactions on Vehicular Technology, 2017, 66, 4005-4016.	6.3	14
111	Uplink sum-rate analysis of C-RAN with interconnected radio units. , 2017, , .		3
112	Delivery Latency Trade-Offs of Heterogeneous Contents in Fog Radio Access Networks. , 2017, , .		8
113	Content Delivery in Fog-Aided Small-Cell Systems with Offline and Online Caching: An Informationâ€"Theoretic Analysis. Entropy, 2017, 19, 366.	2.2	8
114	Signal and interference alignment via message passing for MIMO interference channels. Transactions on Emerging Telecommunications Technologies, 2016, 27, 392-407.	3.9	1
115	Cache aided wireless networks: Tradeoffs between storage and latency. , 2016, , .		68
116	Interâ€layer perâ€mobile optimization of cloud mobile computing: a messageâ€passing approach. Transactions on Emerging Telecommunications Technologies, 2016, 27, 814-827.	3.9	28
117	Non-Orthogonal Unicast and Broadcast Transmission via Joint Beamforming and LDM in Cellular Networks. , 2016, , .		23
118	Pipelined Fronthaul-Edge Content Delivery in Fog Radio Access Networks. , 2016, , .		5
119	Fundamental Limits on Latency in Small-Cell Caching Systems: An Information-Theoretic Analysis. , 2016, , .		10
120	Positioning via direct localisation in Câ€RAN systems. IET Communications, 2016, 10, 2238-2244.	2.2	9
121	Topology Discovery for Linear Wireless Networks With Application to Train Backbone Inauguration. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2159-2170.	8.0	6
122	Cloud RAN and edge caching: Fundamental performance trade-offs. , 2016, , .		11
123	Joint cloud and edge processing for latency minimization in Fog Radio Access Networks. , 2016, , .		25
124	Harnessing cloud and edge synergies: toward an information theory of fog radio access networks. , 2016, 54, 44-50.		100
125	Joint optimization of cloud and edge processing for fog radio access networks. , 2016, , .		44
126	Cloud-aided wireless networks with edge caching: Fundamental latency trade-offs in fog Radio Access Networks. , 2016, , .		79

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127	Joint source-channel coding with one-bit ADC front end. , 2016, , .		3
128	Time-Asynchronous Robust Cooperative Transmission for the Downlink of C-RAN. IEEE Signal Processing Letters, 2016, 23, 1444-1448.	3.6	4
129	Joint Optimization of Cloud and Edge Processing for Fog Radio Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 7621-7632.	9.2	172
130	Multivariate Fronthaul Quantization for Downlink C-RAN. IEEE Transactions on Signal Processing, 2016, 64, 5025-5037.	5.3	16
131	Zero-delay joint source-channel coding with a 1-bit ADC front end and receiver side information. , 2016, , .		2
132	Multivariate fronthaul quantization for C-RAN downlink: Channel-adaptive joint quantization in the cloud. , 2016, , .		6
133	Multistatic cloud radar systems: joint sensing and communication design. Transactions on Emerging Telecommunications Technologies, 2016, 27, 716-730.	3.9	8
134	Cloud radio access network: Virtualizing wireless access for dense heterogeneous systems. Journal of Communications and Networks, 2016, 18, 135-149.	2.6	152
135	Joint uplink/downlink and offloading optimization for mobile cloud computing with limited backhaul. , 2016, , .		4
136	Multihop Backhaul Compression for the Uplink of Cloud Radio Access Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 3185-3199.	6.3	25
137	Hypergraph-Based Analysis of Clustered Co-Operative Beamforming With Application to Edge Caching. IEEE Wireless Communications Letters, 2016, 5, 84-87.	5.0	26
138	Robust Interference Management via Linear Precoding and Linear/Non-Linear Equalization. Journal of Signal Processing Systems, 2016, 83, 133-149.	2.1	1
139	Optimal Fronthaul Quantization for Cloud Radio Positioning. IEEE Transactions on Vehicular Technology, 2016, 65, 2763-2768.	6.3	8
140	Fronthaul Compression and Precoding Design for C-RANs Over Ergodic Fading Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 5022-5032.	6.3	41
141	Lossy compression with privacy constraints: Optimality of polar codes. , 2015, , .		1
142	HARQ buffer management: An information-theoretic view. , 2015, , .		2
143	Joint interference alignment and bi-directional scheduling for MIMO two-way multi-link networks. , 2015, , .		8
144	LDM Versus FDM/TDM for Unequal Error Protection in Terrestrial Broadcasting Systems: An Information-Theoretic View. IEEE Transactions on Broadcasting, 2015, 61, 571-579.	3.2	76

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145	Joint precoding and fronthaul optimization for C-RANs in ergodic fading channels. , 2015, , .		2
146	Cloud Radio-Multistatic Radar: Joint Optimization of Code Vector and Backhaul Quantization. IEEE Signal Processing Letters, 2015, 22, 494-498.	3.6	23
147	Interference Spins: Scheduling of Multiple Interfering Two-Way Wireless Links. IEEE Communications Letters, 2015, 19, 387-390.	4.1	12
148	Beamforming Design for Joint Localization and Data Transmission in Distributed Antenna System. IEEE Transactions on Vehicular Technology, 2015, 64, 62-76.	6.3	47
149	Energy Harvesting Wireless Communications: A Review of Recent Advances. IEEE Journal on Selected Areas in Communications, 2015, 33, 360-381.	14.0	777
150	Guest Editorial: Wireless Communications Powered by Energy Harvesting and Wireless Energy Transfer (Part I). IEEE Journal on Selected Areas in Communications, 2015, 33, 357-359.	14.0	3
151	Modulation classification for MIMO-OFDM signals via Gibbs sampling. , 2015, , .		4
152	Optimization of multistatic cloud radar with multiple-access wireless backhaul. , 2015, , .		8
153	Guest Editorial: Wireless Communications Powered by Energy Harvesting and Wireless Energy Transfer, Part II. IEEE Journal on Selected Areas in Communications, 2015, 33, 1477-1479.	14.0	0
154	HARQ Buffer Management: An Information-Theoretic View. IEEE Transactions on Communications, 2015, 63, 4539-4550.	7.8	16
155	Two‐way communication with adaptive data‐acquisition. Transactions on Emerging Telecommunications Technologies, 2015, 26, 532-546.	3.9	2
156	Multivariate backhaul compression for the downlink of cloud radio access networks. , 2014, , .		3
157	Multi‐layer transmission and hybrid relaying for relay channels with multiple out‐of‐band relays. Transactions on Emerging Telecommunications Technologies, 2014, 25, 895-904.	3.9	2
158	Multihop backhaul compression for the uplink of cloud radio access networks. , 2014, , .		9
159	Dynamic Compression-Transmission for Energy-Harvesting Multihop Networks With Correlated Sources. IEEE/ACM Transactions on Networking, 2014, 22, 1729-1741.	3.8	47
160	Modulation Classification via Gibbs Sampling Based on a Latent Dirichlet Bayesian Network. IEEE Signal Processing Letters, 2014, 21, 1135-1139.	3.6	13
161	Constrained codes for joint energy and information transfer with receiver energy utilization requirements. , 2014, , .		1
162	Robust Layered Transmission and Compression for Distributed Uplink Reception in Cloud Radio Access Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 204-216.	6.3	117

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163	Joint Signal and Channel State Information Compression for the Backhaul of Uplink Network MIMO Systems. IEEE Transactions on Wireless Communications, 2014, 13, 1555-1567.	9.2	47
164	Performance evaluation of multiterminal backhaul compression for cloud radio access networks. , 2014, , .		9
165	Fronthaul Compression for Cloud Radio Access Networks: Signal processing advances inspired by network information theory. IEEE Signal Processing Magazine, 2014, 31, 69-79.	5.6	181
166	Information Embedding on Actions. IEEE Transactions on Information Theory, 2014, 60, 6902-6916.	2.4	5
167	On remote radio head selection for the downlink of backhaul constrained network MIMO systems. , 2014, , .		0
168	Cascade Source Coding With a Side Information Vending Machine. IEEE Transactions on Information Theory, 2014, 60, 6888-6901.	2.4	5
169	Inter-Cluster Design of Precoding and Fronthaul Compression for Cloud Radio Access Networks. IEEE Wireless Communications Letters, 2014, 3, 369-372.	5.0	33
170	Constrained Codes for Joint Energy and Information Transfer. IEEE Transactions on Communications, 2014, 62, 2121-2131.	7.8	42
171	Full-Duplex Cloud Radio Access Networks: An Information-Theoretic Viewpoint. IEEE Wireless Communications Letters, 2014, 3, 413-416.	5.0	49
172	Joint Decompression and Decoding for Cloud Radio Access Networks. IEEE Signal Processing Letters, 2013, 20, 503-506.	3.6	52
173	Relay Channel with Orthogonal Components and Structured Interference Known at the Source. IEEE Transactions on Communications, 2013, 61, 1277-1289.	7.8	3
174	Heegardâ€"Berger and Cascade Source Coding Problems With Common Reconstruction Constraints. IEEE Transactions on Information Theory, 2013, 59, 1458-1474.	2.4	17
175	Robust and Efficient Distributed Compression for Cloud Radio Access Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 692-703.	6.3	238
176	Joint Precoding and Multivariate Backhaul Compression for the Downlink of Cloud Radio Access Networks. IEEE Transactions on Signal Processing, 2013, 61, 5646-5658.	5.3	270
177	Robust Uplink Communications over Fading Channels with Variable Backhaul Connectivity. IEEE Transactions on Wireless Communications, 2013, 12, 5788-5799.	9.2	17
178	On the Optimal Scheduling of Independent, Symmetric and Time-Sensitive Tasks. IEEE Transactions on Automatic Control, 2013, 58, 2421-2425.	5.7	7
179	Information and Energy Flows in Graphical Networks with Energy Transfer and Reuse. IEEE Wireless Communications Letters, 2013, 2, 371-374.	5.0	15
180	Source Coding When the Side Information May Be Delayed. IEEE Transactions on Information Theory, 2013, 59, 3607-3618.	2.4	6

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181	Interactive Joint Transfer of Energy and Information. IEEE Transactions on Communications, 2013, 61, 2086-2097.	7.8	91
182	Information embedding on actions. , 2013, , .		6
183	Lossy Computing of Correlated Sources with Fractional Sampling. IEEE Transactions on Communications, 2013, 61, 3685-3696.	7.8	3
184	Joint signal and channel state information compression for uplink network MIMO systems. , 2013, , .		2
185	Multiple Access Channels With States Causally Known at Transmitters. IEEE Transactions on Information Theory, 2013, 59, 1394-1404.	2.4	26
186	Spectrum Leasing Via Cooperative Interference Forwarding. IEEE Transactions on Vehicular Technology, 2013, 62, 1367-1372.	6.3	5
187	Degraded Broadcast Diamond Channels With Noncausal State Information at the Source. IEEE Transactions on Information Theory, 2013, 59, 8210-8223.	2.4	2
188	Cognitive Access Policies under a Primary ARQ Process via Forward-Backward Interference Cancellation. IEEE Journal on Selected Areas in Communications, 2013, 31, 2374-2386.	14.0	21
189	Distributed and Cascade Lossy Source Coding With a Side Information â€œVending Machineâ€. IEEE Transactions on Information Theory, 2013, 59, 6807-6819.	2.4	7
190	Beamforming design for joint localization and data transmission in distributed antenna systems. , 2013, , .		3
191	Two-way communication with adaptive data acquisition. , 2013, , .		4
192	Source coding with in-block memory and controllable causal side information. , 2013, , .		3
193	Blahut-Arimoto algorithm and code design for action-dependent source coding problems. , 2013, , .		1
194	Delay-tolerant robust communication on an out-of-band relay channel with fading side information. , 2013, , .		1
195	Multi-layer hybrid-ARQ for an out-of-band relay channel. , 2013, , .		1
196	The state-dependent degraded broadcast diamond channel. , 2013, , .		1
197	Robust uplink communications over fading channels with variable backhaul connectivity. , 2013, , .		2
198	Energy-efficient sensing and communication of parallel Gaussian sources. , 2012, , .		1

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199	Two-way communication with energy exchange. , 2012, , .		8
200	Gaussian multiple descriptions with common and constrained reconstruction constraints. , 2012, , .		2
201	Spectrum Leasing via Cooperation With Multiple Primary Users. IEEE Transactions on Vehicular Technology, 2012, 61, 820-825.	6.3	26
202	Relaying under structured interference. , 2012, , .		0
203	On cascade source coding with a side information “vending machine”. , 2012, , .		2
204	On the Heegard-Berger problem with common reconstruction constraints. , 2012, , .		1
205	Source coding with delayed side information. , 2012, , .		0
206	On channels with action-dependent states. , 2012, , .		8
207	Optimality of myopic scheduling and whittle indexability for energy harvesting sensors. , 2012, , .		18
208	Energy group-based dynamic framed ALOHA for wireless networks with energy harvesting. , 2012, , .		14
209	Distributed and cascade lossy source coding with a side information &#x0022;vending machine&#x0022;. , 2012, , .		4
210	Lossy computing of correlated sources with fractional sampling. , 2012, , .		8
211	The Effect of Imperfect Channel Knowledge on a MIMO System with Interference. IEEE Transactions on Communications, 2012, 60, 2221-2229.	7.8	30
212	On the Transfer of Information and Energy in Multi-User Systems. IEEE Communications Letters, 2012, 16, 1733-1736.	4.1	159
213	Energy Management Policies for Energy-Neutral Source-Channel Coding. IEEE Transactions on Communications, 2012, 60, 2668-2678.	7.8	43
214	Joint base station selection and distributed compression for cloud radio access networks. , 2012, , .		2
215	Robust distributed compression for cloud radio access networks. , 2012, , .		10
216	Energy-Efficient Sensing and Communication of Parallel Gaussian Sources. IEEE Transactions on Communications, 2012, 60, 3826-3835.	7.8	11

#	Article	IF	Citations
217	Linear Precoding and Equalization for Network MIMO With Partial Cooperation. IEEE Transactions on Vehicular Technology, 2012, 61, 2083-2096.	6.3	43
218	Medium Access Control Protocols for Wireless Sensor Networks with Energy Harvesting. IEEE Transactions on Communications, 2012, 60, 1381-1389.	7.8	123
219	Energy-harvesting for source-channel coding in cyber-physical systems. , 2011, , .		3
220	Spectrum Leasing via Cooperative Opportunistic Routing Techniques. IEEE Transactions on Wireless Communications, 2011, 10, 2960-2970.	9.2	19
221	Energy-neutral source-channel coding in energy-harvesting wireless sensors. , 2011, , .		9
222	Message and state cooperation in a relay channel when the relay has strictly causal state information. , 2011, , .		0
223	Spectrum leasing via cooperative opportunistic routing in distributed ad hoc networks: Optimal and heuristic policies. , 2011, , .		0
224	Femtocell as a Relay: An Outage Analysis. IEEE Transactions on Wireless Communications, 2011, 10, 4204-4213.	9.2	43
225	Cognitive transmissions under a primary ARQ process via backward interference cancellation. , 2011, , .		9
226	Optimal cognitive transmission exploiting redundancy in the primary ARQ process. , 2011, , .		11
227	Modulation classification of MIMO-OFDM signals by Independent Component Analysis and Support Vector Machines. , 2011, , .		32
228	Spectrum Leasing via Cooperation for Enhanced Physical-Layer Secrecy. , 2011, , .		29
229	Cooperative Wireless Cellular Systems: An Information-Theoretic View. Foundations and Trends in Communications and Information Theory, 2011, 8, 1-177.	3.1	62
230	Gaussian Interference Channel Aided by a Relay with Out-of-Band Reception and In-Band Transmission. IEEE Transactions on Communications, 2011, 59, 2976-2981.	7.8	16
231	Interference Channel With an Out-of-Band Relay. IEEE Transactions on Information Theory, 2011, 57, 2746-2764.	2.4	40
232	On Codebook Information for Interference Relay Channels With Out-of-Band Relaying. IEEE Transactions on Information Theory, 2011, 57, 2880-2888.	2.4	29
233	Robust Communication via Decentralized Processing With Unreliable Backhaul Links. IEEE Transactions on Information Theory, 2011, 57, 4187-4201.	2.4	25
234	Half-duplex gaussian diamond relay channel with interference known at one relay. , 2011, , .		3

#	Article	IF	Citations
235	Leveraging strictly causal state information at the encoders for multiple access channels. , 2011, , .		3
236	Robust coding for lossy computing with receiver-side observation costs. , 2011, , .		8
237	Non-convex utility maximization in Gaussian MISO broadcast and interference channels. , 2011, , .		8
238	Linear MMSE Precoding and Equalization for Network MIMO with Partial Cooperation. , 2011, , .		6
239	Energy Management Policies for Passive RFID Sensors with RF-Energy Harvesting. , 2010, , .		28
240	Ergodic and Outage Performance of Fading Broadcast Channels With 1-Bit Feedback. IEEE Transactions on Vehicular Technology, 2010, 59, 1282-1293.	6.3	18
241	Cooperative ARQ via auction-based spectrum leasing. IEEE Transactions on Communications, 2010, 58, 1843-1856.	7.8	58
242	Multiple Multicasts With the Help of a Relay. IEEE Transactions on Information Theory, 2010, 56, 6142-6158.	2.4	27
243	Throughput and Energy Efficiency of Opportunistic Routing with Type-I HARQ in Linear Multihop Networks. , 2010, , .		11
244	Dynamic Framed-ALOHA for Energy-Constrained Wireless Sensor Networks with Energy Harvesting. , 2010, , .		17
245	Interference channel with a half-duplex Out-of-Band Relay. , 2010, , .		2
246	Spectrum leasing via cooperative opportunistic routing. , 2010, , .		1
247	Protocol Coding for Two-Way Communications with Half-Duplex Constraints. , 2010, , .		6
248	Outage and Diversity-Multiplexing Trade-Off Analysis of Closed and Open-Access Femtocells. , 2010, , .		1
249	Signal Processing-Assisted Protocols and Algorithms for Cooperating Objects and Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	0
250	Robust Transmission and Interference Management For Femtocells with Unreliable Network Access. IEEE Journal on Selected Areas in Communications, 2010, 28, 1469-1478.	14.0	43
251	On the optimization of two-way AF MIMO relay channel with beamforming. , 2010, , .		4
252	On exploiting the interference structure for reliable communications. , 2010, , .		6

#	Article	IF	Citations
253	Multi-Cell MIMO Cooperative Networks: A New Look at Interference. IEEE Journal on Selected Areas in Communications, 2010, 28, 1380-1408.	14.0	1,394
254	On the capacity region of a multiple access channel with common messages. , 2010, , .		13
255	An Information-Theoretic View of Spectrum Leasing via Secondary Cooperation. , 2010, , .		5
256	Efficient Spectrum Leasing via Randomized Silencing of Secondary Users. IEEE Transactions on Wireless Communications, 2010, 9, 3739-3749.	9.2	5
257	Cellular Systems with Non-Regenerative Relaying and Cooperative Base Stations. IEEE Transactions on Wireless Communications, 2010, 9, 2654-2663.	9.2	17
258	A broadcast approach to robust communications over unreliable multi-relay networks. , 2009, , .		3
259	The Cognitive Multiple Access Wire-Tap Channel. , 2009, , .		19
260	Energy efficiency of non-collaborative and collaborative Hybrid-ARQ protocols. IEEE Transactions on Wireless Communications, 2009, 8, 326-335.	9.2	85
261	Throughput analysis of type-I HARQ strategies in Two-Way Relay Channels. , 2009, , .		9
262	Compound relay channel with informed relay and destination. , 2009, , .		4
263	Interference channel with a relay: Models, relaying strategies, bounds. , 2009, , .		46
264	Distributed processing for wireless networks. Journal of Communications and Networks, 2009, 11, 323-326.	2.6	0
265	Interference Channel aided by an Infrastructure Relay. , 2009, , .		19
266	Impact of secondary MAC cooperation on spectrum sharing in cognitive readio networks. , 2009, , .		3
267	Relaying simultaneous multicasts via structured codes. , 2009, , .		5
268	Local Base Station Cooperation Via Finite-Capacity Links for the Uplink of Linear Cellular Networks. IEEE Transactions on Information Theory, 2009, 55, 190-204.	2.4	122
269	Compound Multiple-Access Channels With Partial Cooperation. IEEE Transactions on Information Theory, 2009, 55, 2425-2441.	2.4	56
270	Cooperative Multicell Zero-Forcing Beamforming in Cellular Downlink Channels. IEEE Transactions on Information Theory, 2009, 55, 3206-3219.	2.4	123

#	Article	IF	Citations
271	Distributed MIMO Systems for Nomadic Applications Over a Symmetric Interference Channel. IEEE Transactions on Information Theory, 2009, 55, 5558-5574.	2.4	7
272	Wireless Secrecy in Cellular Systems With Infrastructure-Aided Cooperation. IEEE Transactions on Information Forensics and Security, 2009, 4, 242-256.	6.9	39
273	Multirelay channel with non-ergodic link failures. , 2009, , .		1
274	Relaying simultaneous multicast messages. , 2009, , .		3
275	Robust communication against femtocell access failures. , 2009, , .		5
276	On the throughput region of single and two-way multi-hop fading networks with relay piggybacking. , 2009, , .		1
277	Cooperation and coordination in cognitive networks with packet retransmission. , 2009, , .		8
278	Throughput of cellular uplink with dynamic user activity and cooperative base-stations. , 2009, , .		6
279	Source and channel coding for homogeneous sensor networks with partial cooperation. IEEE Transactions on Wireless Communications, 2009, 8, 1113-1117.	9.2	4
280	An Auction-Based Incentive Mechanism for Non-Altruistic Cooperative ARQ via Spectrum-Leasing. , 2009, , .		9
281	Downlink Multicell Processing with Limited-Backhaul Capacity. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.7	132
282	Interference management via rate splitting and HARQ over time-varying fading channels. , 2009, , .		2
283	Throughput of Low-Power Cellular Systems With Collaborative Base Stations and Relaying. IEEE Transactions on Information Theory, 2008, 54, 459-467.	2.4	25
284	Asymptotic Analysis of Reduced-Feedback Strategies for MIMO Gaussian Broadcast Channels. IEEE Transactions on Information Theory, 2008, 54, 1308-1316.	2.4	34
285	Physical-layer distributed synchronization in wireless networks and applications. Physical Communication, 2008, 1, 67-83.	2.1	13
286	Distributed synchronization in wireless networks. IEEE Signal Processing Magazine, 2008, 25, 81-97.	5.6	214
287	Packet-wise vertical handover for unlicensed multi-standard spectrum access with cognitive radios. IEEE Transactions on Wireless Communications, 2008, 7, 5172-5176.	9.2	31
288	Spectrum Leasing to Cooperating Secondary Ad Hoc Networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 203-213.	14.0	502

#	Article	IF	Citations
289	Secure Communications via Cooperating Base Stations. IEEE Communications Letters, 2008, 12, 188-190.	4.1	33
290	Enhancing uplink throughput via local base station cooperation. , 2008, , .		10
291	Uplink sum-rate analysis of a multicell system with feedback. , 2008, , .		4
292	Exploiting Partial Cooperation for Source and Channel Coding in Sensor Networks. , 2008, , .		0
293	On the optimal number of hops in linear wireless ad hoc networks with hybrid ARQ. , 2008, , .		6
294	The two-tap input-earasure Gaussian channel and its application to cellular communications. , 2008, , .		7
295	Distributed Frequency-Locked Loops for Wireless Networks. , 2008, , .		4
296	Distributed MIMO in multi-cell wireless systems via finite-capacity links. , 2008, , .		25
297	Joint multi-cell processing for downlink channels with limited-capacity backhaul. , 2008, , .		16
298	Compound multiple access channels with conferencing decoders. , 2008, , .		0
299	Wireless secrecy with infrastructure-aided cooperation. , 2008, , .		1
300	Three-user Gaussian multiple access channel with partially cooperating encoders. , 2008, , .		10
301	On the impact of limited-capacity backhaul and inter-users links in cooperative multicell networks. , 2008, , .		16
302	Information-theoretic implications of constrained cooperation in simple cellular models. , 2008, , .		9
303	Distributed digital locked loops for time/frequency locking in packet-based wireless communication. , 2008, , .		3
304	Cellular systems with full-duplex compress-and-forward relaying and cooperative base stations. , 2008, , .		13
305	On the spectrum of large random hermitian finite-band matrices. , 2008, , .		3
306	Cognitive Radio with Secondary Packet-By-Packet Vertical Handover. , 2008, , .		17

#	Article	IF	Citations
307	Spectrum Leasing via Distributed Cooperation in Cognitive Radio. , 2008, , .		23
308	Cognitive Relaying and Opportunistic Spectrum Sensing in Unlicensed Multiple Access Channels. , 2008, , .		11
309	Distributed MIMO systems with oblivious antennas. , 2008, , .		4
310	Throughput of Cellular Systems with Conferencing Mobiles and Cooperative Base Stations. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, .	2.4	17
311	On the Optimal Number of Hops in Linear Wireless Ad Hoc Networks with Hybrid ARQ. , 2008, , .		1
312	Estimation of block-fading channels with reduced-rank correlation matrix. , 2007, , .		3
313	Pulse-coupled distributed PLLs in heterogeneous wireless networks. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	4
314	Detecting the Number of Transmit Antennas with Unauthorized or Cognitive Receivers in MIMO Systems. , 2007, , .		44
315	Detecting Primary Transmitters via Cooperation and Memory in Cognitive Radio. , 2007, , .		7
316	Distributed Time Synchronization in Wireless Sensor Networks with Coupled Discrete-Time Oscillators. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	2.4	85
317	Capacity of Wireless Ad Hoc Networks with Opportunistic Collaborative Communications. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	2.4	3
318	Stability analysis of a cognitive multiple access channel with primary QoS constraints. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	13
319	A Comparison of Opportunistic Transmission Schemes with Reduced Channel Information Feedback in OFDMA Downlink. , 2007, , .		7
320	Cellular Systems with Full-Duplex Amplify-and-Forward Relaying and Cooperative Base-Stations. , 2007, , .		30
321	On the Energy Efficiency of Hybrid-ARQ Protocols in Fading Channels. , 2007, , .		19
322	Space-Time Coded Cooperative Multicasting with Maximal Ratio Combining and Incremental Redundancy. , 2007, , .		1
323	Optimal Design of Nonuniform Linear Arrays in Cellular Systems by Out-of-Cell Interference Minimization. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, .	2.4	1
324	"Small-world" effects of shadowing in pulse-coupled distributed time synchronization. IEEE Communications Letters, 2007, 11, 282-284.	4.1	5

#	Article	IF	Citations
325	Optimal Design of a Multi-Antenna Access Point with Decentralized Power Control Using Game Theory. , 2007, , .		4
326	Uplink Throughput of TDMA Cellular Systems with Multicell Processing and Amplify-and-Forward Cooperation Between Mobiles. IEEE Transactions on Wireless Communications, 2007, 6, 2942-2951.	9.2	37
327	Comparison between radiative transfer and ray tracing for indoor propagation. , 2007, , .		2
328	A Game-Theoretic View on the Interference Channel with Random Access. , 2007, , .		8
329	Cooperation and Cognitive Radio. , 2007, , .		89
330	Stable Throughput of Cognitive Radios With and Without Relaying Capability. IEEE Transactions on Communications, 2007, 55, 2351-2360.	7.8	314
331	Achievable Rates of Multi-Hop and Cooperative MIMO Amplify-and-Forward Relay Systems with Full CSI. , 2006, , .		11
332	On the Sum-Rate of Broadcast Channels with Outdated 1-Bit Feedback. , 2006, , .		3
333	How Many Bits of Feedback is Multiuser Diversity Worth in MIMO Downlink?. , 2006, , .		7
334	Sum-Rate Analysis of General OFDM Downlink Channels with 1-bit Feedback per Sub-Carrier. , 2006, , .		8
335	Towards a joint optimization of scheduling and beamforning for MIMO downlink. , 2006, , .		10
336	CTH11-2: Distributed Multi-Cell Zero-Forcing Beamforming in Cellular Downlink Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	57
337	Performance of multi-relay collaborative hybrid-ARQ protocols over fading channels. IEEE Communications Letters, 2006, 10, 522-524.	4.1	6
338	Capacity region of wireless ad hoc networks using opportunistic collaborative communications. , 2006, , .		7
339	Channel Estimation for MIMO-OFDM Systems by Modal Analysis/Filtering. IEEE Transactions on Communications, 2006, 54, 2062-2074.	7.8	40
340	Distributed timing synchronization for sensor networks with coupled discrete-time oscillators. , 2006, , .		5
341	Performance Analysis of Collaborative Hybrid-ARQ Incremental Redundancy Protocols Over Fading Channels. , 2006, , .		24
342	A Power Allocation Strategy for Multi-Antenna Amplify-and-Forward Fading Relay Channels. , 2006, , .		1

#	Article	IF	Citations
343	Low-SNR analysis of cellular systems with cooperative base stations and mobiles. , 2006, , .		9
344	Performance Analysis of Collaborative Hybrid-ARQ Protocols over Fading Channels. , 2006, , .		1
345	Outage Capacity of Two-Phase Space-Time Coded Cooperative Multicasting. , 2006, , .		10
346	Sum-Rate of MIMO Broadcast Channels with One Bit Feedback. , 2006, , .		26
347	Stability analysis of the cognitive interference channel. , 2006, , .		10
348	Information theoretic analysis of multicell decoding and Amplify-and-Forward cooperation between mobiles for TDMA cellular systems. , 2006, , .		1
349	Adaptive Array Processing for Time-Varying Interference Mitigation in IEEE 802.16 Systems. , 2006, , .		7
350	Optimal design of linear arrays in a TDMA cellular system with Gaussian interference. , 2005, , .		3
351	Linear and Nonlinear Preequalization/Equalization for MIMO Systems With Long-Term Channel State Information at the Transmitter. IEEE Transactions on Wireless Communications, 2004, 3, 373-378.	9.2	39
352	Lower Bound on Training-Based Channel Estimation Error for Frequency-Selective Block-Fading Rayleigh MIMO Channels. IEEE Transactions on Signal Processing, 2004, 52, 3265-3277.	5.3	24
353	Pilot-Based Channel Estimation for OFDM Systems by Tracking the Delay-Subspace. IEEE Transactions on Wireless Communications, 2004, 3, 315-325.	9.2	176
354	Multislot estimation of frequency-selective fast-varying channels. IEEE Transactions on Communications, 2003, 51, 1337-1347.	7.8	19
355	Multislot estimation of fast-varying space-time communication channels. IEEE Transactions on Signal Processing, 2003, 51, 1184-1195.	5.3	44
356	Combined linear pre-equalization and BLAST equalization with channel correlation feedback. IEEE Communications Letters, 2003, 7, 487-489.	4.1	8
357	Multislot estimation of fast-varying space-time channels in TD-CDMA systems. IEEE Communications Letters, 2002, 6, 376-378.	4.1	9
358	Linear and non-linear precoding/decoding for MIMO systems using the fading correlation at the transmitter. , 0, , .		8
359	Cooperative Beamforming and Resource Optimization in C-RANs. , 0, , 54-81.		0
360	Training Design and Channel Estimation in C-RANs. , 0, , 82-116.		0

#	Article	IF	Citations
361	Fronthaul Compression in C-RANs. , 0, , 179-199.		1
362	Adaptive Compression in C-RANs. , 0, , 200-224.		0
363	Coordinated Scheduling in C-RANs. , 0, , 255-281.		0
364	C-RAN Using Wireless Fronthaul: Fast Admission Control and Large System Analysis. , 0, , 314-346.		0