

Chintha Tellambura

List of Publications by Year in descending order

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308
papers

7,055
citations

81434

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309
all docs

309
docs citations

309
times ranked

5130
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Sensing With Heterogeneous Spectrum Availability in Cognitive Radio. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 31-46.	4.9	5
2	Capacity Analysis for Wireless Symbiotic Communication Systems With BPSK Tags Under Sensitivity Constraint. IEEE Communications Letters, 2022, 26, 44-48.	2.5	10
3	Joint User Grouping, Sparse Beamforming, and Subcarrier Allocation for D2D Underlaid Cache-Enabled C-RANs With Rate Splitting. IEEE Transactions on Vehicular Technology, 2022, 71, 3792-3806.	3.9	5
4	On Allocation of Systematic Blocks in Coded Distributed Computing. IEEE Communications Letters, 2022, 26, 748-752.	2.5	4
5	Deep Learning LMMSE Joint Channel, PN, and IQ Imbalance Estimator for Multicarrier MIMO Full-Duplex Systems. IEEE Wireless Communications Letters, 2022, 11, 111-115.	3.2	11
6	Physical-Layer Security for Cache-Enabled C-RANs via Rate Splitting. IEEE Communications Letters, 2022, 26, 984-988.	2.5	5
7	Generalized Space Shift Keying for Ambient Backscatter Communication. IEEE Transactions on Communications, 2022, 70, 5018-5029.	4.9	4
8	New Antenna Selection Schemes for Full-Duplex Cooperative MIMO-NOMA Systems. IEEE Transactions on Communications, 2022, 70, 4343-4358.	4.9	6
9	Multiuser MISO PS-SWIPT Systems: Active or Passive RIS?. IEEE Wireless Communications Letters, 2022, 11, 1920-1924.	3.2	12
10	Network-Coded Cooperative Systems in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2022, 21, 11011-11023.	6.1	2
11	Sum Rate Maximization of Full-Duplex MIMO Monostatic Backscatter Networks Under Residual Self-Interference. , 2022, , .		2
12	Joint Channel and Phase Noise Estimation and Data Detection for GFDM. IEEE Open Journal of the Communications Society, 2021, 2, 915-933.	4.4	14
13	RF Impairments in Wireless Transceivers: Phase Noise, CFO, and IQ Imbalance – A Survey. IEEE Access, 2021, 9, 111718-111791.	2.6	46
14	Modified REP Pattern for 3 rd -Kernel Polar Codes. IEEE Wireless Communications Letters, 2021, 10, 919-923.	3.2	1
15	Underlay Cognitive Network-Coded Cooperation over Nakagami-m Fading Channels. , 2021, , .		1
16	Deep Learning-Based Phase Noise Compensation in Multicarrier Systems. IEEE Wireless Communications Letters, 2021, 10, 2110-2114.	3.2	14
17	Robust Active and Passive Beamformer Design for IRS-Aided Downlink MISO PS-SWIPT With a Nonlinear Energy Harvesting Model. IEEE Transactions on Green Communications and Networking, 2021, 5, 2027-2041.	3.5	27
18	Rate Splitting Multiple Access for Multigroup Multicast Beamforming in Cache-Enabled C-RAN. IEEE Transactions on Vehicular Technology, 2021, 70, 12758-12770.	3.9	14

#	ARTICLE	IF	CITATIONS
19	Analysis of Self-Interference Cancellation Under Phase Noise, CFO, and IQ Imbalance in GFDM Full-Duplex Transceivers. IEEE Transactions on Vehicular Technology, 2020, 69, 700-713.	3.9	20
20	Signal Detection and Optimal Antenna Selection for Ambient Backscatter Communications With Multi-Antenna Tags. IEEE Transactions on Communications, 2020, 68, 466-479.	4.9	24
21	Large-Scale Wireless-Powered Networks With Backscatter Communications—A Comprehensive Survey. IEEE Open Journal of the Communications Society, 2020, 1, 1100-1130.	4.4	48
22	Performance Analysis of Energy Beamforming WPCN Links With Channel Estimation Errors. IEEE Open Journal of the Communications Society, 2020, 1, 1153-1170.	4.4	4
23	Cognitive GFDM Full-Duplex Radios With RF Impairments and ACI Constraints. IEEE Open Journal of the Communications Society, 2020, 1, 732-749.	4.4	7
24	Network-Coded Cooperative Systems With Generalized User-Relay Selection. IEEE Transactions on Wireless Communications, 2020, 19, 7251-7264.	6.1	6
25	Energy-Efficient Resource Allocation in Single-RF Load-Modulated Massive MIMO HetNets. IEEE Open Journal of the Communications Society, 2020, 1, 1738-1764.	4.4	12
26	Proactive Eavesdropping via Jamming in Full-Duplex Multi-Antenna Systems: Beamforming Design and Antenna Selection. IEEE Transactions on Communications, 2020, 68, 7563-7577.	4.9	22
27	Performance Analysis and Resource Allocations for a WPCN With a New Nonlinear Energy Harvester Model. IEEE Open Journal of the Communications Society, 2020, 1, 1403-1424.	4.4	20
28	Eigenvalue-Based Detection of a Signal in Colored Noise: Finite and Asymptotic Analyses. IEEE Transactions on Information Theory, 2020, 66, 6413-6433.	1.5	6
29	Evaluation of RF Energy Harvesting by Mobile D2D Nodes Within a Stochastic Field of Base Stations. IEEE Transactions on Green Communications and Networking, 2020, 4, 1120-1129.	3.5	3
30	NOMA-Aided Multi-Way Massive MIMO Relaying. IEEE Transactions on Communications, 2020, 68, 4050-4062.	4.9	12
31	Is Backscatter Link Stronger than Direct Link in Reconfigurable Intelligent Surface-Assisted System?. IEEE Communications Letters, 2020, 24, 1342-1346.	2.5	84
32	Rate Analysis of Cell-Free Massive MIMO-NOMA With Three Linear Precoders. IEEE Transactions on Communications, 2020, 68, 3480-3494.	4.9	33
33	On the Exact Outage Probability of $2\tilde{A}$ -2 MIMO-MRC in Correlated Rician Fading. , 2020, , .		0
34	Backscatter Aided Wireless Communications on High-Speed Rails: Capacity Analysis and Transceiver Design. IEEE Journal on Selected Areas in Communications, 2020, 38, 2864-2874.	9.7	8
35	Transceiver Design and Signal Detection in Backscatter Communication Systems With Multiple-Antenna Tags. IEEE Transactions on Wireless Communications, 2020, 19, 3273-3288.	6.1	23
36	Interference Suppression and Energy Efficiency Improvement With Massive MIMO and Relay Selection in Cognitive Two-Way Relay Networks. IEEE Transactions on Green Communications and Networking, 2020, 4, 326-339.	3.5	9

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37	Underlaid Spectrum Sharing for Cell-Free Massive MIMO-NOMA. IEEE Communications Letters, 2020, 24, 907-911.	2.5	34
38	Feature-oriented channel estimation in reconfigurable intelligent surface-assisted wireless communication systems. IET Communications, 2020, 14, 3458-3463.	1.5	2
39	Rate Enhancement for Distributed Massive MIMO Systems with Underlay Spectrum Sharing. , 2020, , .		2
40	Network-Coded Cooperative MIMO with Outdated CSI and CCI. , 2020, , .		0
41	New Fast Nodes for 3 rd -Kernel Polar Codes. , 2020, , .		0
42	Optimal Power Allocation of GFDM Secondary Links With Power Amplifier Nonlinearity and ACI. IEEE Wireless Communications Letters, 2019, 8, 93-96.	3.2	11
43	Wireless-Powered Full-Duplex Relay and Friendly Jamming for Secure Cooperative Communications. IEEE Transactions on Information Forensics and Security, 2019, 14, 621-634.	4.5	68
44	Full-Duplex GFDM Radio Transceivers in the Presence of Phase Noise, CFO and IQ Imbalance. , 2019, , .		9
45	Generalized User-Relay Selection in Network-Coded Cooperation Systems. , 2019, , .		2
46	Coverage Analysis of Cooperative NOMA in Millimeter Wave Networks. IEEE Communications Letters, 2019, 23, 2154-2158.	2.5	7
47	NOMA-Aided Multi-Way Massive MIMO Relay Networks. , 2019, , .		3
48	Optimal Selective Transmission Policy for Energy-Harvesting Wireless Sensors via Monotone Neural Networks. IEEE Internet of Things Journal, 2019, 6, 9963-9978.	5.5	11
49	Coverage, Capacity, and Error Rate Analysis of Multi-Hop Millimeter-Wave Decode and Forward Relaying. IEEE Access, 2019, 7, 69638-69656.	2.6	16
50	Relay Selection in Network-Coded Cooperative MIMO Systems. IEEE Transactions on Communications, 2019, 67, 5346-5361.	4.9	9
51	Fast Successive-Cancellation-Based Decoders of Polar Codes. IEEE Transactions on Communications, 2019, 67, 4562-4574.	4.9	35
52	Multiuser Diversity in Network-Coded Cooperation: Outage and Diversity Analysis. IEEE Communications Letters, 2019, 23, 550-553.	2.5	6
53	GFDM-Modulated Full-Duplex Cognitive Radio Networks in the Presence of RF Impairments. , 2019, , .		4
54	Deep Learning Based Modified Message Passing Algorithm for Sparse Code Multiple Access. , 2019, , .		5

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55	Opportunistic Scheduling in Network-Coded Cooperative Systems. , 2019, , .		0
56	Detection of a Signal in Colored Noise: A Random Matrix Theory Based Analysis. , 2019, , .		1
57	Improved Tone Reservation Method Based on Deep Learning for PAPR Reduction in OFDM System. , 2019, , .		8
58	Interference and Outage Analysis of Random D2D Networks Underlying Millimeter-Wave Cellular Networks. IEEE Transactions on Communications, 2019, 67, 778-790.	4.9	37
59	Sensing, Probing, and Transmitting Policy for Energy Harvesting Cognitive Radio With Two-Stage After-State Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2019, 68, 1616-1630.	3.9	8
60	Exploiting Spectrum Access Ability for Cooperative Spectrum Harvesting. IEEE Transactions on Communications, 2019, 67, 1845-1857.	4.9	2
61	Multi-User Relay Selection for Full-Duplex Radio. IEEE Transactions on Communications, 2019, 67, 955-972.	4.9	31
62	Successive Two-Way Relaying for Full-Duplex Users With Generalized Self-Interference Mitigation. IEEE Transactions on Wireless Communications, 2019, 18, 63-76.	6.1	15
63	Two-Way Relay Selection for Millimeter Wave Networks. IEEE Communications Letters, 2018, 22, 201-204.	2.5	20
64	Cooperative Spectrum Sensing as Image Segmentation: A New Data Fusion Scheme. IEEE Communications Magazine, 2018, 56, 142-148.	4.9	12
65	Data-Driven-Based Analog Beam Selection for Hybrid Beamforming Under mm-Wave Channels. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 340-352.	7.3	87
66	Performance Characterization of Spatially Random Energy Harvesting Underlay D2D Networks With Transmit Power Control. IEEE Transactions on Green Communications and Networking, 2018, 2, 87-99.	3.5	29
67	Iterative Demodulation and Decoding Algorithm for 3GPP/LTE-A MIMO-OFDM Using Distribution Approximation. IEEE Transactions on Wireless Communications, 2018, 17, 1331-1342.	6.1	9
68	Simple and Accurate Low SNR Ergodic Capacity Approximations. IEEE Communications Letters, 2018, 22, 356-359.	2.5	5
69	Exact Solutions for Certain Weighted Sum-Rate and Common-Rate Maximization Problems. IEEE Communications Letters, 2018, 22, 1026-1029.	2.5	1
70	Performance Analysis of Massive MIMO Two-Way Relay Networks With Pilot Contamination, Imperfect CSI, and Antenna Correlation. IEEE Transactions on Vehicular Technology, 2018, 67, 4831-4842.	3.9	20
71	Blind Channel Estimation for Ambient Backscatter Communication Systems. IEEE Communications Letters, 2018, 22, 1296-1299.	2.5	83
72	Closed-Form Word Error Rate Analysis for Successive Interference Cancellation Decoders. IEEE Transactions on Wireless Communications, 2018, 17, 8256-8267.	6.1	5

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73	Outage Analysis of Ambient Backscatter Communication Systems. IEEE Communications Letters, 2018, 22, 1736-1739.	2.5	42
74	Network-Coded Cooperation With Outdated CSI. IEEE Communications Letters, 2018, 22, 1720-1723.	2.5	13
75	Uplink/Downlink Rate Analysis and Impact of Power Allocation for Full-Duplex Cloud-RANs. IEEE Transactions on Wireless Communications, 2018, 17, 5774-5788.	6.1	32
76	Opportunistic Group Antenna Selection in Spatial Modulation Systems. IEEE Transactions on Communications, 2018, 66, 5317-5331.	4.9	10
77	IEEE Access Special Section Editorial: High Mobility 5G LTE-V: Challenges and Solutions. IEEE Access, 2018, 6, 40221-40225.	2.6	3
78	Coverage probability analysis of three uplink power control schemes: Stochastic geometry approach. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, 141.	1.5	2
79	Analysis and rate optimization of GFDM-based cognitive radios. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3435.	2.6	6
80	Coverage Analysis of Millimeter Wave Decode-and-Forward Networks With Best Relay Selection. IEEE Access, 2018, 6, 22670-22683.	2.6	42
81	A Novel and Tractable Antenna Selection in Spatial Modulation Systems. , 2018, , .		2
82	Coverage Analysis of Decode-and-Forward Relaying in Millimeter Wave Networks. , 2018, , .		3
83	Secure communication for separated and integrated receiver architectures in SWIPT. , 2018, , .		6
84	Modified Sphere Decoding for Sparse Code Multiple Access. IEEE Communications Letters, 2018, 22, 1544-1547.	2.5	12
85	Ergodic sum rate analysis and efficient power allocation for a massive MIMO two-way relay network. IET Communications, 2017, 11, 211-217.	1.5	13
86	Performance Analysis of SDMA with Inter-tier Interference Nulling in HetNets. IEEE Transactions on Wireless Communications, 2017, 16, 2153-2167.	6.1	12
87	Relay Selection for Cognitive Massive MIMO Two-Way Relay Networks. , 2017, , .		19
88	Generalized Asymptotic Measures for Wireless Fading Channels with a Logarithmic Singularity. , 2017, , .		0
89	The Place Coverage (TPC) - Three-Stage User Association and Rate Maximization for 5G SD-RAN Systems. , 2017, , .		0
90	Study of Mobility in Cache-Enabled Wireless Heterogeneous Networks. , 2017, , .		4

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91	Spectrum Sharing With Device-to-Device Successive Relaying and Hybrid Complex Field Network Coding. IEEE Transactions on Vehicular Technology, 2017, 66, 7947-7963.	3.9	12
92	Performance Analysis of Co-Operative Beacon Sensing Strategies for Spatially Random Cognitive Users. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 585-598.	4.9	1
93	On the success probability of the box-constrained rounding and Babai detectors. , 2017, , .		2
94	Generalized Relay Selection for Network-Coded Cooperation Systems. IEEE Communications Letters, 2017, 21, 2742-2745.	2.5	13
95	Optimal transmission policy in energy harvesting wireless communications: A learning approach. , 2017, , .		16
96	An efficient optimal algorithm for integer-forcing linear MIMO receivers design. , 2017, , .		3
97	A closed-form symbol error rate analysis for successive interference cancellation decoders. , 2017, , .		5
98	Sensing, probing, and transmitting strategy for energy harvesting cognitive radio. , 2017, , .		6
99	Security enhancement of wireless networks with wireless-powered full-duplex relay and friendly jammer nodes. , 2017, , .		7
100	Exact Outage Analysis of Multiple-User Downlink With MIMO Matched-Filter Precoding. IEEE Communications Letters, 2017, 21, 2754-2757.	2.5	15
101	Network Coded Cooperation Based on Relay Selection with Imperfect CSI. , 2017, , .		5
102	Greedy caching: A latency-aware caching strategy for information-centric networks. , 2017, , .		10
103	BSMAC: A Hybrid MAC Protocol for IoT Systems. , 2016, , .		5
104	Small-Macro Cell Cooperation for HetNet Uplink Transmission: Spectral Efficiency and Reliability Analyses. IEEE Journal on Selected Areas in Communications, 2016, , 1-1.	9.7	4
105	Uplink and downlink rate analysis of a full-duplex C-RAN with radio remote head association. , 2016, , .		4
106	Performance analysis of SDMA with inter-tier interference nulling in HetNets. , 2016, , .		1
107	Decoding Delay and Outage Performance Analysis of Full-Duplex Decode-Forward Relaying: Backward or Sliding Window Decoding. IEEE Transactions on Communications, 2016, 64, 4520-4533.	4.9	5
108	Full-duplex cloud-RAN with uplink/downlink remote radio head association. , 2016, , .		13

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109	Massive MIMO two-way relay networks with channel imperfections. , 2016, , .		7
110	Ambient Backscatter Communication Systems: Detection and Performance Analysis. IEEE Transactions on Communications, 2016, 64, 4836-4846.	4.9	315
111	Statistical Covariance Based Signal Detection for Ambient Backscatter Communication Systems. , 2016, , .		18
112	Outage and Decoding Delay Analysis of Full-Duplex DF Relaying: Backward or Sliding Window Decoding. , 2016, , .		0
113	Coverage and Rate Analysis for Limited Information Cell Association in Stochastic-Layout Cellular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6962-6971.	3.9	3
114	Multichannel Analysis of Cell Range Expansion and Resource Partitioning in Two-Tier Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2394-2406.	6.1	35
115	Underlay Interference Analysis of Power Control and Receiver Association Schemes. IEEE Transactions on Vehicular Technology, 2016, 65, 8978-8991.	3.9	32
116	Uplink Detection and BER Analysis for Ambient Backscatter Communication Systems. , 2015, , .		35
117	SNR-dependent radius control sphere detection for MIMO systems and relay networks. Transactions on Emerging Telecommunications Technologies, 2015, 26, 389-402.	2.6	3
118	Full-Duplex Radio for Uplink/Downlink Wireless Access With Spatially Random Nodes. IEEE Transactions on Communications, 2015, 63, 5250-5266.	4.9	71
119	Full-Duplex radio for uplink/downlink transmission with spatial randomness. , 2015, , .		15
120	Relay selection for MIMO two-way relay networks with spatial multiplexing. , 2015, , .		5
121	Cognitive Beamforming in Underlay Two-Way Relay Networks With Multiantenna Terminals. IEEE Transactions on Cognitive Communications and Networking, 2015, 1, 294-304.	4.9	8
122	Stochastic geometry analysis of error probability in interference limited wireless networks. , 2015, , .		0
123	Unified Analysis of Low-SNR Energy Detection and Threshold Selection. IEEE Transactions on Vehicular Technology, 2015, 64, 5006-5019.	3.9	54
124	Asymptotic Performance of Energy Detector in Fading and Diversity Reception. IEEE Transactions on Communications, 2015, 63, 2031-2043.	4.9	7
125	Outage Analysis of ZFB-MRT/MRC Underlay Two-Way Relay Systems. IEEE Communications Letters, 2015, 19, 1049-1052.	2.5	9
126	Cooperative Beamforming and User Selection for Improving the Security of Relay-Aided Systems. IEEE Transactions on Communications, 2015, 63, 5039-5051.	4.9	70

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127	Acquisition of channel state information in heterogeneous cloud radio access networks: challenges and research directions. IEEE Wireless Communications, 2015, 22, 100-107.	6.6	98
128	Relay Selection Strategies for MIMO Two-Way Relay Networks With Spatial Multiplexing. IEEE Transactions on Communications, 2015, 63, 4694-4710.	4.9	21
129	Approximations for Performance of Energy Detector and χ^2 -Norm Detector. IEEE Communications Letters, 2015, 19, 1678-1681.	2.5	9
130	Time-switching energy harvesting in relay networks. , 2015, , .		36
131	Impact of transmit power control on aggregate interference in underlay cognitive radio networks. , 2014, , .		8
132	A Novel Base Stations-Mobile Stations Association Policy for Cellular Networks. , 2014, , .		2
133	Energy Detection for Spectrum Sensing in Cognitive Radio. SpringerBriefs in Computer Science, 2014, , .	0.2	140
134	Outage probability of underlay cognitive relay networks with spatially random nodes. , 2014, , .		10
135	Joint Distributed Beamforming and Power Allocation in Underlay Cognitive Two-Way Relay Links Using Second-Order Channel Statistics. IEEE Transactions on Signal Processing, 2014, 62, 5950-5961.	3.2	9
136	Performance of χ^2 -Norm Detector in AWGN, Fading, and Diversity Reception. IEEE Transactions on Vehicular Technology, 2014, 63, 3209-3222.	3.9	18
137	Cognitive transmission and performance analysis for Amplify-and-Forward two-way relay networks. , 2014, , .		14
138	A Multiple-Ring Model for Cognitive Radio Aggregate Interference. IEEE Communications Letters, 2014, 18, 596-599.	2.5	5
139	New asymptotics for performance of energy detector. , 2014, , .		2
140	Uplink Detection and BER Analysis for Ambient Backscatter Communication Systems. , 2014, , .		0
141	Distributed beamforming and power allocation in two-way multi-relay networks with second-order channel statistics. , 2013, , .		1
142	On the Performance of Cognitive Underlay Multihop Networks with Imperfect Channel State Information. IEEE Transactions on Communications, 2013, 61, 4864-4873.	4.9	85
143	Relay Selection Schemes and Performance Analysis Approximations for Two-Way Networks. IEEE Transactions on Communications, 2013, 61, 987-998.	4.9	94
144	On Approximating the Cognitive Radio Aggregate Interference} IEEEafertitiletexspace{-1aselineskip. IEEE Wireless Communications Letters, 2013, 2, 58-61.	3.2	12

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145	Sum Rate Analysis of Two-Way MIMO AF Relay Networks with Zero-Forcing. IEEE Transactions on Wireless Communications, 2013, 12, 4456-4469.	6.1	23
146	Multi-Way MIMO Amplify-and-Forward Relay Networks with Zero-Forcing Transmission. IEEE Transactions on Communications, 2013, 61, 4847-4863.	4.9	36
147	GSVD Beamforming for Two-User MIMO Downlink Channel. IEEE Transactions on Vehicular Technology, 2013, 62, 2596-2606.	3.9	13
148	Uniform Approximations for Wireless Performance in Fading Channels. IEEE Transactions on Communications, 2013, 61, 4768-4779.	4.9	17
149	Probability-Distribution-Based Node Pruning for Sphere Decoding. IEEE Transactions on Vehicular Technology, 2013, 62, 1586-1596.	3.9	30
150	Relay Selection and Performance Analysis in Multiple-User Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 1517-1529.	9.7	58
151	Rational Gauss-Chebyshev Quadratures for Wireless Performance Analysis. IEEE Wireless Communications Letters, 2013, 2, 215-218.	3.2	4
152	Impact of Beacon Misdetection on Aggregate Interference for Hybrid Underlay-Interweave Networks. IEEE Communications Letters, 2013, 17, 2052-2055.	2.5	11
153	Clipping noise-based tone injection for PAPR reduction in OFDM systems. , 2013, , .		9
154	Joint beamforming and antenna selection for two-way amplify-and-forward MIMO relay networks. , 2012, , .		8
155	Sum rate of two-way MIMO AF relay networks with transmit/receive zero-forcing. , 2012, , .		1
156	Tone injection for PAPR reduction using parallel tabu search algorithm in OFDM systems. , 2012, , .		19
157	Soft-output extension of an SNR-adaptive sphere decoder for coded MIMO systems. , 2012, , .		0
158	Joint Relay and Antenna Selection for Dual-Hop Amplify-and-Forward MIMO Relay Networks. IEEE Transactions on Wireless Communications, 2012, 11, 493-499.	6.1	32
159	Performance Analysis of Pairwise Amplify-and-Forward Multi-Way Relay Networks. IEEE Wireless Communications Letters, 2012, 1, 524-527.	3.2	21
160	Two-Way Amplify-and-Forward Multiple-Input Multiple-Output Relay Networks with Antenna Selection. IEEE Journal on Selected Areas in Communications, 2012, 30, 1513-1529.	9.7	82
161	Performance Analysis of Hop-by-Hop Beamforming for Dual-Hop MIMO AF Relay Networks. IEEE Transactions on Communications, 2012, 60, 1823-1837.	4.9	30
162	Resource Allocation for Two-Way AF Relaying with Receive Channel Knowledge. IEEE Transactions on Wireless Communications, 2012, 11, 2002-2007.	6.1	10

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163	Doubly selective channel estimation for amplify-and-forward relay networks. , 2012, , .		13
164	Gamma Codes: A low-overhead linear-complexity network coding solution. , 2012, , .		34
165	Reduced-overhead multicasting of different QoS data classes. , 2012, , .		1
166	Partial expansion sphere decoder with reduced branching factor for MIMO systems. , 2012, , .		0
167	On Raptor Code Design for Inactivation Decoding. IEEE Transactions on Communications, 2012, 60, 2377-2381.	4.9	12
168	Spatial Multipath Resolution with Space Time Block Codes. IEEE Wireless Communications Letters, 2012, 1, 249-252.	3.2	2
169	Outage Probability of Decode-and-Forward Cognitive Relay in Presence of Primary User's Interference. IEEE Communications Letters, 2012, 16, 1252-1255.	2.5	82
170	Multi-way MIMO amplify-and-forward relay networks with zero-forcing. , 2012, , .		2
171	Genetic Algorithm Based Nearly Optimal Peak Reduction Tone Set Selection for Adaptive Amplitude Clipping PAPR Reduction. IEEE Transactions on Broadcasting, 2012, 58, 462-471.	2.5	77
172	Aggregate Interference Analysis for Underlay Cognitive Radio Networks. IEEE Wireless Communications Letters, 2012, 1, 641-644.	3.2	126
173	Improved K-Best Sphere Detection for Uncoded and Coded MIMO Systems. IEEE Wireless Communications Letters, 2012, 1, 472-475.	3.2	30
174	Doubly selective channel estimation for amplify-and-forward relay networks. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	4
175	Performance Analysis of MIMO Channel Inversion in Rayleigh Fading. IEEE Transactions on Vehicular Technology, 2012, 61, 1188-1196.	3.9	5
176	Spatial Multipath Resolution for MIMO Systems. IEEE Wireless Communications Letters, 2012, 1, 10-13.	3.2	5
177	Performance Analysis of Zero-Forcing for Two-Way MIMO AF Relay Networks. IEEE Wireless Communications Letters, 2012, 1, 53-56.	3.2	36
178	Dual Hop MIMO OSTBC for LMS Communication. IEEE Wireless Communications Letters, 2012, 1, 105-108.	3.2	8
179	Performance Analysis of Energy Detection with Multiple Correlated Antenna Cognitive Radio in Nakagami-m Fading. IEEE Communications Letters, 2012, 16, 502-505.	2.5	45
180	Analysis of Aggregate Interference and Primary System Performance in Finite Area Cognitive Radio Networks. IEEE Transactions on Communications, 2012, 60, 1811-1822.	4.9	37

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181	Partial and Opportunistic Relay Selection with Outdated Channel Estimates. IEEE Transactions on Communications, 2012, 60, 840-850.	4.9	95
182	Performance Analysis of Hop-by-Hop Beamforming for Dual-Hop MIMO AF Relay Networks. IEEE Transactions on Communications, 2012, 60, 1823-1837.	4.9	3
183	On the Application of Character Expansions for MIMO Capacity Analysis. IEEE Transactions on Information Theory, 2012, 58, 2950-2962.	1.5	40
184	On Statistics of Log-Ratio of Arithmetic Mean to Geometric Mean for Nakagami-m Fading Power. IEICE Transactions on Communications, 2012, E95-B, 647-650.	0.4	0
185	Annotated raptor codes. , 2011, , .		0
186	A Complexity-Efficient Sphere Decoder for MIMO Systems. , 2011, , .		17
187	Channel estimation with amplitude constraint: Superimposed training or conventional training ?. , 2011, , .		2
188	Amplify-and-forward partial relay selection with feedback delay. , 2011, , .		12
189	Beamforming for Space Division Duplexing. , 2011, , .		37
190	A Mixture Gamma Distribution to Model the SNR of Wireless Channels. IEEE Transactions on Wireless Communications, 2011, 10, 4193-4203.	6.1	198
191	Spectrum Sensing via Energy Detector in Low SNR. , 2011, , .		70
192	Joint Bandwidth and Power Allocation With Admission Control in Wireless Multi-User Networks With and Without Relaying. IEEE Transactions on Signal Processing, 2011, 59, 1801-1813.	3.2	57
193	Channel Estimation and Training Design for Two-Way Relay Networks in Time-Selective Fading Environments. IEEE Transactions on Wireless Communications, 2011, 10, 2681-2691.	6.1	82
194	Joint CFO and Channel Estimation for OFDM-Based Two-Way Relay Networks. IEEE Transactions on Wireless Communications, 2011, 10, 456-465.	6.1	58
195	Energy Detection Based Cooperative Spectrum Sensing in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2011, 10, 1232-1241.	6.1	420
196	Two-Way Amplify-and-Forward MIMO Relay Networks with Antenna Selection. , 2011, , .		6
197	MGF Based Analysis of Area under the ROC Curve in Energy Detection. IEEE Communications Letters, 2011, 15, 1301-1303.	2.5	31
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