David J Love

List of Publications by Year
in descending order

245 papers	10,797 citations	66234 42 h-index	34900 98 g-index
247 all docs	247 docs citations	247 times ranked	4959 citing authors

#	Article	IF	Citations
1	A Novel Framework for Cost Constrained Network Sharing. IEEE Transactions on Mobile Computing, 2023, 22, 4422-4438.	3.9	0
2	Interference Moral Hazard in Large Multihop Networks. IEEE/ACM Transactions on Networking, 2023, 31, 15-29.	2.6	0
3	A Deep Ensemble-Based Wireless Receiver Architecture for Mitigating Adversarial Attacks in Automatic Modulation Classification. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 71-85.	4.9	20
4	Practical Distributed Reception for Wireless Body Area Networks Using Supervised Learning. IEEE Transactions on Wireless Communications, 2022, 21, 4898-4908.	6.1	1
5	Minimum Overhead Beamforming and Resource Allocation in D2D Edge Networks. IEEE/ACM Transactions on Networking, 2022, 30, 1454-1468.	2.6	1
6	Position-Based Adaptive Power Back-Off for User Electromagnetic Exposure Management in Millimeter Wave Systems. IEEE Wireless Communications Letters, 2022, 11, 86-90.	3.2	1
7	Multi-Stage Hybrid Federated Learning Over Large-Scale D2D-Enabled Fog Networks. IEEE/ACM Transactions on Networking, 2022, 30, 1569-1584.	2.6	27
8	Causal Adversarial Channels With Feedback Snooping. IEEE Journal on Selected Areas in Information Theory, 2022, 3, 69-84.	1.9	4
9	Precoding for Low-Latency Full-Duplex MIMO Relays: A Dynamic Approach. , 2022, , .		1
10	Uplink NOMA for Heterogeneous NTNs with LEO Satellites and High-Altitude Platform Relays. , 2022, , .		3
11	Learning-Based Adaptive IRS Control With Limited Feedback Codebooks. IEEE Transactions on Wireless Communications, 2022, 21, 9566-9581.	6.1	7
12	Nonparametric Decentralized Detection and Sparse Sensor Selection via Multi-Sensor Online Kernel Scalar Quantization. IEEE Transactions on Signal Processing, 2022, 70, 2593-2608.	3.2	1
13	A Neural Network-Prepended GLRT Framework for Signal Detection Under Nonlinear Distortions. IEEE Communications Letters, 2022, 26, 2161-2165.	2.5	1
14	A Folding Approach for Multiple Antenna Arrays Using Low-Resolution ADCs. IEEE Open Journal of the Communications Society, 2022, 3, 1206-1221.	4.4	0
15	Global and peak local specific absorption rate control on parallel transmit systems using k â€means SAR compression model. Magnetic Resonance in Medicine, 2021, 85, 1093-1103.	1.9	1
16	Dynamic Electromagnetic Exposure Allocation for Rayleigh Fading MIMO Channels. IEEE Transactions on Wireless Communications, 2021, 20, 728-740.	6.1	5
17	Optimality Conditions of Performance-Guaranteed Power Minimization in MIMO Networks: A Distributed Algorithm and Its Feasibility. IEEE Transactions on Signal Processing, 2021, 69, 119-135.	3.2	5
18	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

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19	Robust Automatic Modulation Classification in the Presence of Adversarial Attacks. , 2021, , .		12
20	Fast Position-Aided MIMO Beam Training via Noisy Tensor Completion. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 774-788.	7.3	11
21	Frequency-based Automated Modulation Classification in the Presence of Adversaries. , 2021, , .		5
22	Multi-IRS-assisted Multi-Cell Uplink MIMO Communications under Imperfect CSI: A Deep Reinforcement Learning Approach. , 2021, , .		21
23	Channel Estimation via Successive Denoising in MIMO OFDM Systems: A Reinforcement Learning Approach. , 2021, , .		6
24	Stochastic-Adversarial Channels: Online Adversaries With Feedback Snooping. , 2021, , .		3
25	Wideband Millimeter-Wave Massive MIMO Channel Training via Compressed Sensing. , 2021, , .		2
26	Signal-Level Models of Pointwise Electromagnetic Exposure for Millimeter Wave Communication. IEEE Transactions on Antennas and Propagation, 2020, 68, 3963-3977.	3.1	9
27	Noncoherent OOK Symbol Detection with Supervised-Learning Approach for BCC. , 2020, , .		2
28	Large-Scale Cellular Coverage Analyses for UAV Data Relay via Channel Modeling. , 2020, , .		6
29	Joint Optimization of Signal Design and Resource Allocation in Wireless D2D Edge Computing. , 2020, , .		21
30	Millimeter Wave Beam Recommendation via Tensor Completion. , 2020, , .		3
31	Increasing Throughput in Wireless Communications by Grouping Similar Quality Bits. IEEE Communications Letters, 2020, 24, 2450-2453.	2.5	1
32	Guest Editorial Special Issue on Multiple Antenna Technologies for Beyond 5G-Partâ€”I. IEEE Journal on Selected Areas in Communications, 2020, 38, 1633-1636.	9.7	5
33	Prospective Multiple Antenna Technologies for Beyond 5G. IEEE Journal on Selected Areas in Communications, 2020, 38, 1637-1660.	9.7	460
34	Guest Editorial Special Issue on Multiple Antenna Technologies for Beyond 5G-Part II. IEEE Journal on Selected Areas in Communications, 2020, 38, 1941-1944.	9.7	7
35	An Online Kernel Scalar Quantization Scheme for Signal Classification. , 2020, , .		1
36	Optimization of Two-Way Network Coded HARQ With Overhead. IEEE Transactions on Communications, 2020, 68, 3602-3613.	4.9	2

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37			

#	Article	IF	Citations
55	Multi-Antenna SAR Estimation in Linear Time. , 2018, , .		4
56	Error Control Sounding Strategies for Millimeter Wave Beam Alignment. , 2018, , .		2
57	Analysis of Two-Unicast Network-Coded Hybrid-ARQ With Unreliable Feedback. IEEE Transactions on Vehicular Technology, 2018, 67, 10871-10885.	3.9	8
58	Optimal Precoder Design for Distributed Transmit Beamforming Over Frequency-Selective Channels. IEEE Transactions on Wireless Communications, 2018, 17, 7759-7773.	6.1	9
59	28-GHz Channel Measurements and Modeling for Suburban Environments. , 2018, , .		14
60	Implementation of rate-adaptive integer forcing compression in distributed wireless relay networking. , 2018, , .		5
61	Advanced Quantizer Designs for FDD-Based FD-MIMO Systems Using Uniform Planar Arrays. IEEE Transactions on Signal Processing, 2018, 66, 3891-3905.	3.2	19
62	Leveraging the Restricted Isometry Property: Improved Low-Rank Subspace Decomposition for Hybrid Millimeter-Wave Systems. IEEE Transactions on Communications, 2018, 66, 5814-5827.	4.9	22
63	On the Energy Efficiency of MIMO Hybrid Beamforming for Millimeter-Wave Systems With Nonlinear Power Amplifiers. IEEE Transactions on Wireless Communications, 2018, 17, 7208-7221.	6.1	65
64	Improving millimeter-wave channel models for suburban environments with site-specific geometric features. , 2018, , .		6
65	Common Codebook Millimeter Wave Beam Design: Designing Beams for Both Sounding and Communication With Uniform Planar Arrays. IEEE Transactions on Communications, 2017, 65, 1859-1872.	4.9	106
66	Noisy Beam Alignment Techniques for Reciprocal MIMO Channels. IEEE Transactions on Signal Processing, 2017, 65, 5092-5107.	3.2	12
67	Multi-Resolution Codebook and Adaptive Beamforming Sequence Design for Millimeter Wave Beam Alignment. IEEE Transactions on Wireless Communications, 2017, 16, 5689-5701.	6.1	175
68	Compressed Sensing-Aided Downlink Channel Training for FDD Massive MIMO Systems. IEEE Transactions on Communications, 2017, 65, 2852-2862.	4.9	62
69	On practical network coded ARQ for two-way wireless communication. , 2017, , .		1
70	Neyman-Pearson Codebook Design for Beam Alignment in Millimeter-Wave Networks. , 2017, , .		12
71	Multiple-input multiple-output (MIMO) MRI: An efficient pulse design algorithm to combine parallel excitation and parallel imaging. , 2017, , .		1
72	Simultaneous wireless information and power transfer over inductively coupled circuits. , 2017, , .		2

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73	Iterative beam alignment algorithms for TDD MIMO systems. , 2017, , .		1
74	Sum-Rate Analysis for Multi-User MIMO Systems With User Exposure Constraints. IEEE Transactions on Wireless Communications, 2017, 16, 7376-7388.	6.1	19
75	Multiway Distributed Wireless Relay Network With Projected Binary Quantization. IEEE Transactions on Signal Processing, 2017, 65, 6462-6477.	3.2	6
76	Cell-free massive MIMO systems utilizing multi-antenna access points. , 2017, , .		11
77	Performance Analysis of Multi-Way Quantized Distributed Relay Networking. , 2017, , .		2
78	Channel estimation for multi-way quantized distributed wireless relaying. , 2017, , .		0
79	Distributed Filter Design and Power Allocation for Small-Cell MIMO Networks. , 2017, , .		1
80	Interference in wireless networks with rate difference user utilities. , 2017, , .		1
81	Transcoding: A new strategy for relay channels. , 2017, , .		6
82	Mixed quadratic model for peak spatial-average SAR of coherent multiple antenna devices. , 2017, , .		3
83	Hybrid precoding for millimeter wave systems with a constraint on user electromagnetic radiation exposure. , 2016, , .		12
84	Heterogeneous Massive MIMO with Small Cells. , 2016, , .		5
85	Maximizing wireless power transfer using distributed beamforming. , 2016, , .		4
86	Advanced Quantizer Designs for FD-MIMO Systems Using Uniform Planar Arrays. , 2016, , .		3
87	Sparse Subspace Decomposition for Millimeter Wave MIMO Channel Estimation. , 2016, , .		2
88	Receiver design and bit allocation for a multi-user distributed relay network performing vector quantization. , 2016, , .		3
89	Packet Structure and Receiver Design for Low-Latency Communications with Ultra-Small Packets. , 2016, , .		8
90	Mean Squared Error (MSE)-Based Excitation Pattern Design for Parallel Transmit and Receive SENSE MRI Image Reconstruction. IEEE Transactions on Computational Imaging, 2016, , 1-1.	2.6	4

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91	Millimeter Wave Receiver Design Using Low Precision Quantization and Parallel <inline-formula> <tex-math notation="LaTeX">$Delta Sigma $ </tex-math> </inline-formula> Architecture. IEEE Transactions on Wireless Communications, 2016, 15, 6556-6569.	6.1	17
92	Exploiting dominant eigendirections for feedback compression for FDD-based massive MIMO systems. , 2016, , .		8
93	An efficient network coding scheme for two-way communication with ARQ feedback. , 2016, , .		4
94	Training Sequence Design for Feedback Assisted Hybrid Beamforming in Massive MIMO Systems. IEEE Transactions on Communications, 2016, 64, 187-200.	4.9	54
95	Secondary Spectrum Auctions for Markets With Communication Constraints. IEEE Transactions on Wireless Communications, 2016, 15, 116-130.	6.1	11
96	On the Achievable Rate of Generalized Spatial Modulation Using Multiplexing Under a Gaussian Mixture Model. IEEE Transactions on Communications, 2016, 64, 1588-1599.	4.9	52
97	Antenna Reliability Ordering Technique for Unequal Error Protection in Jointly Detected MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 7136-7148.	3.9	3
98	Communicating Over Filter-and-Forward Relay Networks With Channel Output Feedback. IEEE Transactions on Signal Processing, 2016, 64, 1117-1131.	3.2	3
99	Multi-Resolution Codebook Based Beamforming Sequence Design in Millimeter-Wave Systems. , 2015, , .		25
100	Advanced Limited Feedback Designs for FD-MIMO Using Uniform Planar Arrays. , 2015, , .		18
101	Analysis and Implementation of Asynchronous Physical Layer Network Coding. IEEE Transactions on Wireless Communications, 2015, 14, 6595-6607.	6.1	22
102	Quantized distributed relay network for physical layer network coding. , 2015, , .		4
103	Interference detection using time-frequency binary hypothesis testing. , 2015, , .		1
104	An Approach to Sensor Network Throughput Enhancement by PHY-Aided MAC. IEEE Transactions on Wireless Communications, 2015, 14, 670-684.	6.1	17
105	Coded Distributed Diversity: A Novel Distributed Reception Technique for Wireless Communication Systems. IEEE Transactions on Signal Processing, 2015, 63, 1310-1321.	3.2	23
106	Quantized Distributed Reception for MIMO Wireless Systems Using Spatial Multiplexing. IEEE Transactions on Signal Processing, 2015, 63, 3537-3548.	3.2	63
107	Design Guidelines for Limited Feedback in the Spatially Correlated Broadcast Channel. IEEE Transactions on Communications, 2015, 63, 2524-2540.	4.9	21
108	Trellis-Extended Codebooks and Successive Phase Adjustment: A Path From LTE-Advanced to FDD Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2015, 14, 2007-2016.	6.1	54

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109	Exploiting the preferred domain of FDD massive MIMO systems with uniform planar arrays. , 2015, , .		8
110	Hybrid structure in massive MIMO: Achieving large sum rate with fewer RF chains. , 2015, , .		36
111	Closed-Loop Precoding and Capacity Analysis for Multiple-Antenna Wireless Systems With User Radiation Exposure Constraints. IEEE Transactions on Wireless Communications, 2015, 14, 5859-5870.	6.1	26
112	Antenna Grouping Based Feedback Compression for FDD-Based Massive MIMO Systems. IEEE Transactions on Communications, 2015, 63, 3261-3274.	4.9	114
113	Codebook design for hybrid beamforming in millimeter wave systems. , 2015, , .		43
114	Concatenated Coding Using Linear Schemes for Gaussian Broadcast Channels With Noisy Channel Output Feedback. IEEE Transactions on Communications, 2015, 63, 4576-4590.	4.9	3
115	Adaptive Millimeter Wave Beam Alignment for Dual-Polarized MIMO Systems. IEEE Transactions on Wireless Communications, 2015, 14, 6283-6296.	6.1	44
116	Kronecker product correlation model and limited feedback codebook design in a 3D channel model. , 2014, , .		137
117	MIMO nullforming with RVQ limited feedback and channel estimation errors. , 2014, , .		4
118	Channel estimation techniques for quantized distributed reception in MIMO systems. , 2014, , .		12
119	Low SINR Synchronization for the DARPA Spectrum Challenge Scenario. , 2014, , .		3
120	Implementation and Analysis of Energy Detection-Based Sensing Using USRP/SBX Platform. , 2014, , .		3
121	Downlink training codebook design and hybrid precoding in FDD massive MIMO systems. , 2014, , .		3
122	Sub-sector-based codebook feedback for massive MIMO with 2D antenna arrays. , 2014, , .		8
123	Antenna grouping based feedback reduction for FDD-based massive MIMO systems. , 2014, , .		23
124	Downlink Training Techniques for FDD Massive MIMO Systems: Open-Loop and Closed-Loop Training With Memory. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 802-814.	7.3	374
125	Multicell Cooperative Scheduling for Two-Tier Cellular Networks. IEEE Transactions on Communications, 2014, 62, 536-551.	4.9	10
126	On the Performance of MIMO Nullforming with Random Vector Quantization Limited Feedback. IEEE Transactions on Wireless Communications, 2014, 13, 2884-2893.	6.1	12

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127	Closed-Loop Beam Alignment for Massive MIMO Channel Estimation. IEEE Communications Letters, 2014, 18, 1439-1442.	2.5	90
128	Incorporating specific absorption rate constraints into wireless signal design. , 2014, 52, 126-133.		35
129	Training signal design for channel estimation in massive MIMO systems. , 2014, , .		2
130	Bounds on Eigenvalues of a Spatial Correlation Matrix. IEEE Communications Letters, 2014, 18, 1391-1394.	2.5	40
131	Pilot Beam Pattern Design for Channel Estimation in Massive MIMO Systems. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 787-801.	7.3	189
132	Analysis and Practical Considerations in Implementing Multiple Transmitters for Wireless Power Transfer via Coupled Magnetic Resonance. IEEE Transactions on Industrial Electronics, 2014, 61, 1774-1783.	5.2	122
133	Multi-Resolution Codebook Based Beamforming Sequence Design in Millimeter-Wave Systems. , 2014, , .		2
134	Advanced Limited Feedback Designs for FD-MIMO Using Uniform Planar Arrays. , 2014, , .		0
135	Millimeter Wave Beamforming for Wireless Backhaul and Access in Small Cell Networks. IEEE Transactions on Communications, 2013, 61, 4391-4403.	4.9	821
136	Noncoherent Trellis Coded Quantization: A Practical Limited Feedback Technique for Massive MIMO Systems. IEEE Transactions on Communications, 2013, 61, 5016-5029.	4.9	129
137	Limited feedback in massive MIMO systems: Exploiting channel correlations via noncoherent trellis-coded quantization. , 2013, , .		10
138	A closed-loop training approach for massive MIMO beamforming systems. , 2013, , .		23
139	Millimeter wave beamforming for multiuser dual-polarized MIMO systems. , 2013, , .		7
140	Noncoherent trellis-coded quantization for massive MIMO limited feedback beamforming. , 2013, , .		2
141	SAR codes. , 2013, , .		24
142	Receive spatial coding for distributed diversity. , 2013, , .		8
143	Beamformer optimization with a constraint on user electromagnetic radiation exposure. , 2013, , .		2
144	Fast multi-channel Gibbs-sampling for low-overhead distributed resource allocation in OFDMA cellular networks. , 2013, , .		3

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145	Time-Division Beamforming for MIMO Radar Waveform Design. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1210-1223.	2.6	29
146	Millimeter wave beam-alignment for dual-polarized outdoor MIMO systems. , 2013, , .		6
147	Limited feedback design for the spatially correlated multi-antenna broadcast channel. , 2013, , .		21
148	Quantized auction schemes for secondary spectrum markets. , 2013, , .		1
149	Optimal pilot beam pattern design for massive MIMO systems. , 2013, , .		14
150	Transmit covariance optimization with a constraint on user electromagnetic radiation exposure. , 2013, , .		2
151	A lower bound on feedback capacity of colored Gaussian relay channels. , 2012, , .		1
152	Linear network coding capacity region of 2-receiver MIMO broadcast packet erasure channels with feedback. , 2012, , .		8
153	Differential codebook for general rotated dual-polarized MISO channels. , 2012, , .		14
154	Waveform design for multistatic radar imaging using mutual information. , 2012, , .		2
155	Using Channel Output Feedback to Increase Throughput in Hybrid-ARQ. IEEE Transactions on Signal Processing, 2012, 60, 6465-6480.	3.2	8
156	Minimizing exposure to electromagnetic radiation in portable devices. , 2012, , .		23
157	Differential Feedback in Codebook-Based Multiuser MIMO Systems in Slowly Varying Channels. IEEE Transactions on Communications, 2012, 60, 578-588.	4.9	20
158	Corrections to `Capacity Limits of Multi-Antenna Multicasting Under Correlated Fading Channels' [Jul 10 2002-2013]. IEEE Transactions on Communications, 2012, 60, 231-231.	4.9	0
159	A hybrid-ARQ protocol using channel output feedback. , 2011, , .		0
160	Multilevel millimeter wave beamforming for wireless backhaul. , 2011, , .		57
161	Does Frequent Low Resolution Feedback Outperform Infrequent High Resolution Feedback for Multiple Antenna Beamforming Systems?. IEEE Transactions on Signal Processing, 2011, 59, 1654-1669.	3.2	57
162	Spatial Degrees of Freedom of the Multicell MIMO Multiple Access Channel. , 2011, , .		21

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163	Measurement-Based Contention Feedback for Multiuser Diversity With Transmit Antenna Selection in Wireless Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 2857-2863.	3.9	0
164	MIMO Systems with Limited Rate Differential Feedback in Slowly Varying Channels. IEEE Transactions on Communications, 2011, 59, 1175-1189.	4.9	81
165	Hybrid ARQ Protocol for Multi-Antenna Multicasting Using a Common Feedback Channel. IEEE Transactions on Communications, 2011, 59, 1530-1542.	4.9	22
166	Optimal and Successive Approaches to Signal Design for Multiple Antenna Physical Layer Multicasting. IEEE Transactions on Communications, 2011, 59, 2316-2327.	4.9	46
167	Concatenated Coding for the AWGN Channel With Noisy Feedback. IEEE Transactions on Information Theory, 2011, 57, 6633-6649.	1.5	30
168	Recent advances in multiuser MIMO systems. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	1
169	A sparse bayesian approach to multistatic radar imaging. , 2011, , .		2
170	Information-theoretic structure of multistatic radar imaging. , 2011, , .		11
171	Trellis Coded Line Packing: Large Dimensional Beamforming Vector Quantization and Feedback Transmission. IEEE Transactions on Wireless Communications, 2011, 10, 1844-1853.	6.1	25
172	Instantaneous degrees of freedom of downlink interference channels with multiuser diversity. , 2011, , .		1
173	An iteratively optimized linear coding scheme for correlated Gaussian channels with noisy feedback. , 2011, , .		2
174	Capacity Limits of Multi-Antenna Multicasting Under Correlated Fading Channels. IEEE Transactions on Communications, 2010, 58, 2002-2013.	4.9	14
175	Throughput Delay Tradeoff for Wireless Multicast Using Hybrid-ARQ Protocols. IEEE Transactions on Communications, 2010, 58, 2741-2751.	4.9	22
176	Enhanced limited-coordination strategies for multi-user MIMO sytems. , 2010, , .		0
177	A Feedback Update Control Scheme for Limited Feedback Multiple Antennas Systems. , 2010, , .		5
178	On the achievable rate of the additive Gaussian noise channel with noisy feedback. , 2010, , .		3
179	Leveraging temporal correlation for limited feedback multiple antennas systems. , 2010, , .		10
180	A noisy feedback encoding scheme for the Gaussian channel. , 2010, , .		5

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181	Limited Feedback Beamforming Systems in Dual-Polarized MIMO Channel. IEEE Transactions on Wireless Communications, 2010, , .	6.1	3
182	Limited Feedback Beamforming Systems for Dual-Polarized MIMO Channels. IEEE Transactions on Wireless Communications, 2010, 9, 3425-3439.	6.1	31
183	Channel output feedback based design of a coding scheme for MISO fading channels. , 2010, , .		2
184	Conferencing on trees. , 2009, , .		0
185	A Simple Dual-Mode Limited Feedback Multiuser Downlink System. IEEE Transactions on Communications, 2009, 57, 1514-1522.	4.9	17
186	Body-Worn Distributed MIMO System. IEEE Transactions on Vehicular Technology, 2009, 58, 1752-1765.	3.9	48
187	Improved multiuser MIMO unitary precoding using partial channel state information and insights from the riemannian manifold. IEEE Transactions on Wireless Communications, 2009, 8, 4014-4023.	6.1	25
188	Feedforward Frameworks to Enhance Decoding in Precoded Multiuser MIMO Systems. IEEE Signal Processing Letters, 2009, 16, 945-948.	2.1	3
189	On linear processing in AWGN channels with feedback. , 2009, , .		0
190	Insights into feedback and feedback signaling for beamformer design. , 2009, , .		3
191	Outage performance of multi-antenna multicasting for wireless networks. IEEE Transactions on Wireless Communications, 2009, 8, 1996-2005.	6.1	16
192	Optimization and tradeoff analysis of two-way limited feedback beamforming systems. IEEE Transactions on Wireless Communications, 2009, 8, 2570-2579.	6.1	35
193	Trellis coded beamforming vector quantization with fractional bits per antenna. , 2009, , .		2
194	Closed-form expression for optimal two-user MIMO unitary precoding. IEEE Communications Letters, 2009, 13, 251-253.	2.5	5
195	Non-coherent Receivers for Orthogonal Space-Time CPM. IEICE Transactions on Communications, 2009, E92-B, 2072-2084.	0.4	1
196	Multiple antenna MMSE based downlink precoding with quantized feedback or channel mismatch. IEEE Transactions on Communications, 2008, 56, 1859-1868.	4.9	110
197	On the delay performance in multi-antenna wireless networks using contention-based feedback. IEEE Transactions on Communications, 2008, 56, 1769-1774.	4.9	2
198	On the Capacity and Design of Limited Feedback Multiuser MIMO Uplinks. IEEE Transactions on Information Theory, 2008, 54, 4712-4724.	1.5	11

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199	Exploiting limited feedback in tomorrow's wireless communication networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 1337-1340.	9.7	18
200	An overview of limited feedback in wireless communication systems. IEEE Journal on Selected Areas in Communications, 2008, 26, 1341-1365.	9.7	1,154
201	Capacity Limits of Multiple Antenna Multicasting Using Antenna Subset Selection. IEEE Transactions on Signal Processing, 2008, 56, 2524-2534.	3.2	54
202	Utilizing temporal correlation in multiuser MIMO feedback. , 2008, , .		11
203	On resource allocation in two-way limited feedback beamforming systems. , 2008, , .		5
204	Recursive covariance design for multiple antenna physical layer multicasting. , 2008, , .		7
205	On the use of feedback in multiple antenna common information broadcasting. , 2008, , .		0
206	Throughput delay tradeoff for wireless multicast using hybrid-ARQ protocols. , 2008, , .		5
207	User Selection With Zero-Forcing Beamforming Achieves the Asymptotically Optimal Sum Rate. IEEE Transactions on Signal Processing, 2008, 56, 3713-3726.	3.2	77
208	Differential Rotation Feedback MIMO System for Temporally Correlated Channels. , 2008, , .		22
209	Limited Feedback Beamforming Codebook Design for Dual-Polarized MIMO Channels. , 2008, , .		7
210	Reduced Feedback MIMO-OFDM Precoding and Antenna Selection. IEEE Transactions on Signal Processing, 2007, 55, 2284-2293.	3.2	87
211	User Selection for the MIMO Broadcast Channel with a Fairness Constraint. , 2007, , .		9
212	Multiple Antenna Broadcast Channels With Shape Feedback and Limited Feedback. IEEE Transactions on Signal Processing, 2007, 55, 3417-3428.	3.2	170
213	A Simple Multiuser and Single-User Dual-Mode Downlink System with Limited Feedback. , 2007, , .		7
214	Design and Analysis of Two-Way Limited Feedback Beamforming Systems. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	5
215	Partial Channel State Information Unitary Precoding and Codebook Design for MIMO Broadcast Systems. , 2007, , .		10
216	Simplified Spatial Correlation Models for Clustered MIMO Channels With Different Array Configurations. IEEE Transactions on Vehicular Technology, 2007, 56, 1924-1934.	3.9	213

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217	On the performance of random vector quantization limited feedback beamforming in a MISO system. IEEE Transactions on Wireless Communications, 2007, 6, 458-462.	6.1	437
218	Precoding for Multiple Antenna Gaussian Broadcast Channels With Successive Zero-Forcing. IEEE Transactions on Signal Processing, 2007, 55, 3837-3850.	3.2	106
219	Minimizing the Number of Dropped Users in MIMO Multicasting Channels. , 2007, , .		3
220	On Scheduling for Multiple-Antenna Wireless Networks Using Contention-Based Feedback. IEEE Transactions on Communications, 2007, 55, 1174-1190.	4.9	25
221	On User Selection for Multiple Antenna Wireless Networks with Contention-Based Feedback and Delay Constraints. , 2006, , .		0
222	Duplex distortion models for limited feedback MIMO communication. IEEE Transactions on Signal Processing, 2006, 54, 766-774.	3.2	37
223	Low Complexity Adaptive Design for Full-Diversity Full-Rate Space-Time Codes. IEEE Transactions on Signal Processing, 2006, 54, 3180-3189.	3.2	3
224	A Weighted Least Squares Approach to Precoding With Pilots for MIMO-OFDM. IEEE Transactions on Signal Processing, 2006, 54, 4067-4073.	3.2	17
225	Improved space-time coding for multiple antenna multicasting. , 2006, , .		2
226	Limited Feedback Diversity Techniques for Correlated Channels. IEEE Transactions on Vehicular Technology, 2006, 55, 718-722.	3.9	151
227	Feedback rate-capacity loss tradeoff for limited feedback MIMO systems. IEEE Transactions on Information Theory, 2006, 52, 2190-2202.	1.5	60
228	SPCp1-05: On Some Techniques for Reducing the Feedback Requirement in Precoded MIMO-OFDM. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2
229	SPC01-1: Precoding Schemes for the Downlink of a Multiuser Communication System. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
230	WLC42-2: Spatial Multiplexing with Opportunistic Scheduling for Multiuser MIMO-OFDM Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
231	Precoding for Multiple Antenna Broadcast Channels with Channel Mismatch. , 2006, , .		3
232	WLC26-2: Limited Feedback in Multiple Antenna Broadcast Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
233	OFDM Power Loading Using Limited Feedback. IEEE Transactions on Vehicular Technology, 2005, 54, 1773-1780.	3.9	77
234	Limited Feedback Unitary Precoding for Spatial Multiplexing Systems. IEEE Transactions on Information Theory, 2005, 51, 2967-2976.	1.5	655

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235	On the Probability of Error of Antenna-Subset Selection With Spaceâ€“Time Block Codes. IEEE Transactions on Communications, 2005, 53, 1799-1803.	4.9	43
236	Space-time Chase decoding. IEEE Transactions on Wireless Communications, 2005, 4, 2035-2039.	6.1	22
237	Multimode antenna selection for spatial multiplexing systems with linear receivers. IEEE Transactions on Signal Processing, 2005, 53, 3042-3056.	3.2	207
238	Multimode precoding for MIMO wireless systems. IEEE Transactions on Signal Processing, 2005, 53, 3674-3687.	3.2	151
239	Necessary and sufficient conditions for full diversity order in correlated Rayleigh fading beamforming and combining systems. IEEE Transactions on Wireless Communications, 2005, 4, 20-23.	6.1	56
240	Diversity Performance of Precoded Orthogonal Space-Time Block Codes Using Limited Feedback. IEEE Communications Letters, 2004, 8, 305-307.	2.5	28
241	Grassmannian beamforming for multiple-input multiple-output wireless systems. IEEE Transactions on Information Theory, 2003, 49, 2735-2747.	1.5	1,260
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243	Corrections to "Equal gain transmission in multiple-input multiple-output wireless systems". IEEE Transactions on Communications, 2003, 51, 1613-1613.	4.9	2
244	Combining Circulant Space-Time Coding with IFFT/FFT and Spreading. , 0, , .		1
245	Millimeter Wave Communications for 5G Networks. , 0, , 188-213.		1