

# David J Love

## List of Publications by Year in descending order

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245  
papers

10,797  
citations

66315

42  
h-index

34964

98  
g-index

247  
all docs

247  
docs citations

247  
times ranked

4959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Grassmannian beamforming for multiple-input multiple-output wireless systems. IEEE Transactions on Information Theory, 2003, 49, 2735-2747.	1.5	1,260
2	An overview of limited feedback in wireless communication systems. IEEE Journal on Selected Areas in Communications, 2008, 26, 1341-1365.	9.7	1,154
3	Millimeter Wave Beamforming for Wireless Backhaul and Access in Small Cell Networks. IEEE Transactions on Communications, 2013, 61, 4391-4403.	4.9	821
4	Limited Feedback Unitary Precoding for Spatial Multiplexing Systems. IEEE Transactions on Information Theory, 2005, 51, 2967-2976.	1.5	655
5	Prospective Multiple Antenna Technologies for Beyond 5G. IEEE Journal on Selected Areas in Communications, 2020, 38, 1637-1660.	9.7	460
6	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
7	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
8	Equal gain transmission in multiple-input multiple-output wireless systems. IEEE Transactions on Communications, 2003, 51, 1102-1110.	4.9	298
9	Simplified Spatial Correlation Models for Clustered MIMO Channels With Different Array Configurations. IEEE Transactions on Vehicular Technology, 2007, 56, 1924-1934.	3.9	213
10	Multimode antenna selection for spatial multiplexing systems with linear receivers. IEEE Transactions on Signal Processing, 2005, 53, 3042-3056.	3.2	207
11	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
12	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
13	Multiple Antenna Broadcast Channels With Shape Feedback and Limited Feedback. IEEE Transactions on Signal Processing, 2007, 55, 3417-3428.	3.2	170
14	Multimode precoding for MIMO wireless systems. IEEE Transactions on Signal Processing, 2005, 53, 3674-3687.	3.2	151
15	Limited Feedback Diversity Techniques for Correlated Channels. IEEE Transactions on Vehicular Technology, 2006, 55, 718-722.	3.9	151
16	Kronecker product correlation model and limited feedback codebook design in a 3D channel model. , 2014, , .		137
17	Noncoherent Trellis Coded Quantization: A Practical Limited Feedback Technique for Massive MIMO Systems. IEEE Transactions on Communications, 2013, 61, 5016-5029.	4.9	129
18	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

#	ARTICLE	IF	CITATIONS
19	Antenna Grouping Based Feedback Compression for FDD-Based Massive MIMO Systems. IEEE Transactions on Communications, 2015, 63, 3261-3274.	4.9	114
20	Multiple antenna MMSE based downlink precoding with quantized feedback or channel mismatch. IEEE Transactions on Communications, 2008, 56, 1859-1868.	4.9	110
21	Precoding for Multiple Antenna Gaussian Broadcast Channels With Successive Zero-Forcing. IEEE Transactions on Signal Processing, 2007, 55, 3837-3850.	3.2	106
22	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
23	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
24	Closed-Loop Beam Alignment for Massive MIMO Channel Estimation. IEEE Communications Letters, 2014, 18, 1439-1442.	2.5	90
25	Reduced Feedback MIMO-OFDM Precoding and Antenna Selection. IEEE Transactions on Signal Processing, 2007, 55, 2284-2293.	3.2	87
26	MIMO Systems with Limited Rate Differential Feedback in Slowly Varying Channels. IEEE Transactions on Communications, 2011, 59, 1175-1189.	4.9	81
27	OFDM Power Loading Using Limited Feedback. IEEE Transactions on Vehicular Technology, 2005, 54, 1773-1780.	3.9	77
28	User Selection With Zero-Forcing Beamforming Achieves the Asymptotically Optimal Sum Rate. IEEE Transactions on Signal Processing, 2008, 56, 3713-3726.	3.2	77
29	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
30	Quantized Distributed Reception for MIMO Wireless Systems Using Spatial Multiplexing. IEEE Transactions on Signal Processing, 2015, 63, 3537-3548.	3.2	63
31	Compressed Sensing-Aided Downlink Channel Training for FDD Massive MIMO Systems. IEEE Transactions on Communications, 2017, 65, 2852-2862.	4.9	62
32	Feedback rate-capacity loss tradeoff for limited feedback MIMO systems. IEEE Transactions on Information Theory, 2006, 52, 2190-2202.	1.5	60
33	Packet Structure and Receiver Design for Low Latency Wireless Communications With Ultra-Short Packets. IEEE Transactions on Communications, 2018, 66, 796-807.	4.9	58
34	Multilevel millimeter wave beamforming for wireless backhaul. , 2011, , .		57
35	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
36	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

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37	Capacity Limits of Multiple Antenna Multicasting Using Antenna Subset Selection. IEEE Transactions on Signal Processing, 2008, 56, 2524-2534.	3.2	54
38	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
39	Training Sequence Design for Feedback Assisted Hybrid Beamforming in Massive MIMO Systems. IEEE Transactions on Communications, 2016, 64, 187-200.	4.9	54
40	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
41	Body-Worn Distributed MIMO System. IEEE Transactions on Vehicular Technology, 2009, 58, 1752-1765.	3.9	48
42	Optimal and Successive Approaches to Signal Design for Multiple Antenna Physical Layer Multicasting. IEEE Transactions on Communications, 2011, 59, 2316-2327.	4.9	46
43	Adaptive Millimeter Wave Beam Alignment for Dual-Polarized MIMO Systems. IEEE Transactions on Wireless Communications, 2015, 14, 6283-6296.	6.1	44
44	On the Probability of Error of Antenna-Subset Selection With Space-Time Block Codes. IEEE Transactions on Communications, 2005, 53, 1799-1803.	4.9	43
45	Codebook design for hybrid beamforming in millimeter wave systems. , 2015, , .		43
46	Bounds on Eigenvalues of a Spatial Correlation Matrix. IEEE Communications Letters, 2014, 18, 1391-1394.	2.5	40
47	Channel-Reconstruction-Based Hybrid Precoding for Millimeter-Wave Multi-User MIMO Systems. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 383-398.	7.3	40
48	Multi-Armed Bandit Beam Alignment and Tracking for Mobile Millimeter Wave Communications. IEEE Communications Letters, 2019, 23, 1244-1248.	2.5	40
49	Adaptive Beam Tracking With the Unscented Kalman Filter for Millimeter Wave Communication. IEEE Signal Processing Letters, 2019, 26, 1658-1662.	2.1	40
50	Duplex distortion models for limited feedback MIMO communication. IEEE Transactions on Signal Processing, 2006, 54, 766-774.	3.2	37
51	Hybrid structure in massive MIMO: Achieving large sum rate with fewer RF chains. , 2015, , .		36
52	Optimization and tradeoff analysis of two-way limited feedback beamforming systems. IEEE Transactions on Wireless Communications, 2009, 8, 2570-2579.	6.1	35
53	Incorporating specific absorption rate constraints into wireless signal design. , 2014, 52, 126-133.		35
54	Optimizing Wireless Power Transfer From Multiple Transmit Coils. IEEE Access, 2018, 6, 23828-23838.	2.6	33

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55	Limited Feedback Beamforming Systems for Dual-Polarized MIMO Channels. IEEE Transactions on Wireless Communications, 2010, 9, 3425-3439.	6.1	31
56	Concatenated Coding for the AWGN Channel With Noisy Feedback. IEEE Transactions on Information Theory, 2011, 57, 6633-6649.	1.5	30
57	Time-Division Beamforming for MIMO Radar Waveform Design. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1210-1223.	2.6	29
58	Diversity Performance of Precoded Orthogonal Space-Time Block Codes Using Limited Feedback. IEEE Communications Letters, 2004, 8, 305-307.	2.5	28
59	Multi-Stage Hybrid Federated Learning Over Large-Scale D2D-Enabled Fog Networks. IEEE/ACM Transactions on Networking, 2022, 30, 1569-1584.	2.6	27
60	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
61	On Scheduling for Multiple-Antenna Wireless Networks Using Contention-Based Feedback. IEEE Transactions on Communications, 2007, 55, 1174-1190.	4.9	25
62	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
63	Trellis Coded Line Packing: Large Dimensional Beamforming Vector Quantization and Feedback Transmission. IEEE Transactions on Wireless Communications, 2011, 10, 1844-1853.	6.1	25
64	Multi-Resolution Codebook Based Beamforming Sequence Design in Millimeter-Wave Systems. , 2015, , .		25
65	SAR codes. , 2013, , .		24
66	Propagation Modeling Through Foliage in a Coniferous Forest at 28 GHz. IEEE Wireless Communications Letters, 2019, 8, 901-904.	3.2	24
67	Minimizing exposure to electromagnetic radiation in portable devices. , 2012, , .		23
68	A closed-loop training approach for massive MIMO beamforming systems. , 2013, , .		23
69	Antenna grouping based feedback reduction for FDD-based massive MIMO systems. , 2014, , .		23
70	Coded Distributed Diversity: A Novel Distributed Reception Technique for Wireless Communication Systems. IEEE Transactions on Signal Processing, 2015, 63, 1310-1321.	3.2	23
71	Space-time Chase decoding. IEEE Transactions on Wireless Communications, 2005, 4, 2035-2039.	6.1	22
72	Differential Rotation Feedback MIMO System for Temporally Correlated Channels. , 2008, , .		22

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73	Throughput Delay Tradeoff for Wireless Multicast Using Hybrid-ARQ Protocols. IEEE Transactions on Communications, 2010, 58, 2741-2751.	4.9	22
74	Hybrid ARQ Protocol for Multi-Antenna Multicasting Using a Common Feedback Channel. IEEE Transactions on Communications, 2011, 59, 1530-1542.	4.9	22
75	Analysis and Implementation of Asynchronous Physical Layer Network Coding. IEEE Transactions on Wireless Communications, 2015, 14, 6595-6607.	6.1	22
76	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
77	Spatial Degrees of Freedom of the Multicell MIMO Multiple Access Channel. , 2011, , .		21
78	Limited feedback design for the spatially correlated multi-antenna broadcast channel. , 2013, , .		21
79	Design Guidelines for Limited Feedback in the Spatially Correlated Broadcast Channel. IEEE Transactions on Communications, 2015, 63, 2524-2540.	4.9	21
80	Joint Optimization of Signal Design and Resource Allocation in Wireless D2D Edge Computing. , 2020, , .		21
81	Multi-IRS-assisted Multi-Cell Uplink MIMO Communications under Imperfect CSI: A Deep Reinforcement Learning Approach. , 2021, , .		21
82	Differential Feedback in Codebook-Based Multiuser MIMO Systems in Slowly Varying Channels. IEEE Transactions on Communications, 2012, 60, 578-588.	4.9	20
83	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
84	Sum-Rate Analysis for Multi-User MIMO Systems With User Exposure Constraints. IEEE Transactions on Wireless Communications, 2017, 16, 7376-7388.	6.1	19
85	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
86	Exploiting limited feedback in tomorrow's wireless communication networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 1337-1340.	9.7	18
87	Advanced Limited Feedback Designs for FD-MIMO Using Uniform Planar Arrays. , 2015, , .		18
88	A Weighted Least Squares Approach to Precoding With Pilots for MIMO-OFDM. IEEE Transactions on Signal Processing, 2006, 54, 4067-4073.	3.2	17
89	A Simple Dual-Mode Limited Feedback Multiuser Downlink System. IEEE Transactions on Communications, 2009, 57, 1514-1522.	4.9	17
90	An Approach to Sensor Network Throughput Enhancement by PHY-Aided MAC. IEEE Transactions on Wireless Communications, 2015, 14, 670-684.	6.1	17

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91	Millimeter Wave Receiver Design Using Low Precision Quantization and Parallel $\Delta$ Architecture. IEEE Transactions on Wireless Communications, 2016, 15, 6556-6569.	6.1	17
92	Outage performance of multi-antenna multicasting for wireless networks. IEEE Transactions on Wireless Communications, 2009, 8, 1996-2005.	6.1	16
93	Capacity Limits of Multi-Antenna Multicasting Under Correlated Fading Channels. IEEE Transactions on Communications, 2010, 58, 2002-2013.	4.9	14
94	Differential codebook for general rotated dual-polarized MISO channels. , 2012, , .		14
95	Optimal pilot beam pattern design for massive MIMO systems. , 2013, , .		14
96	28-GHz Channel Measurements and Modeling for Suburban Environments. , 2018, , .		14
97	Channel estimation techniques for quantized distributed reception in MIMO systems. , 2014, , .		12
98	On the Performance of MIMO Nullforming with Random Vector Quantization Limited Feedback. IEEE Transactions on Wireless Communications, 2014, 13, 2884-2893.	6.1	12
99	Hybrid precoding for millimeter wave systems with a constraint on user electromagnetic radiation exposure. , 2016, , .		12
100	Noisy Beam Alignment Techniques for Reciprocal MIMO Channels. IEEE Transactions on Signal Processing, 2017, 65, 5092-5107.	3.2	12
101	Neyman-Pearson Codebook Design for Beam Alignment in Millimeter-Wave Networks. , 2017, , .		12
102	Robust Automatic Modulation Classification in the Presence of Adversarial Attacks. , 2021, , .		12
103	On the Capacity and Design of Limited Feedback Multiuser MIMO Uplinks. IEEE Transactions on Information Theory, 2008, 54, 4712-4724.	1.5	11
104	Utilizing temporal correlation in multiuser MIMO feedback. , 2008, , .		11
105	Information-theoretic structure of multistatic radar imaging. , 2011, , .		11
106	Secondary Spectrum Auctions for Markets With Communication Constraints. IEEE Transactions on Wireless Communications, 2016, 15, 116-130.	6.1	11
107	Cell-free massive MIMO systems utilizing multi-antenna access points. , 2017, , .		11
108	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

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109	Partial Channel State Information Unitary Precoding and Codebook Design for MIMO Broadcast Systems. , 2007, , .		10
110	Leveraging temporal correlation for limited feedback multiple antennas systems. , 2010, , .		10
111	Limited feedback in massive MIMO systems: Exploiting channel correlations via noncoherent trellis-coded quantization. , 2013, , .		10
112	Multicell Cooperative Scheduling for Two-Tier Cellular Networks. IEEE Transactions on Communications, 2014, 62, 536-551.	4.9	10
113	User Selection for the MIMO Broadcast Channel with a Fairness Constraint. , 2007, , .		9
114	Optimal Precoder Design for Distributed Transmit Beamforming Over Frequency-Selective Channels. IEEE Transactions on Wireless Communications, 2018, 17, 7759-7773.	6.1	9
115	Signal-Level Models of Pointwise Electromagnetic Exposure for Millimeter Wave Communication. IEEE Transactions on Antennas and Propagation, 2020, 68, 3963-3977.	3.1	9
116	Linear network coding capacity region of 2-receiver MIMO broadcast packet erasure channels with feedback. , 2012, , .		8
117	Using Channel Output Feedback to Increase Throughput in Hybrid-ARQ. IEEE Transactions on Signal Processing, 2012, 60, 6465-6480.	3.2	8
118	Receive spatial coding for distributed diversity. , 2013, , .		8
119	Sub-sector-based codebook feedback for massive MIMO with 2D antenna arrays. , 2014, , .		8
120	Exploiting the preferred domain of FDD massive MIMO systems with uniform planar arrays. , 2015, , .		8
121	Packet Structure and Receiver Design for Low-Latency Communications with Ultra-Small Packets. , 2016, , .		8
122	Exploiting dominant eigendirections for feedback compression for FDD-based massive MIMO systems. , 2016, , .		8
123	Analysis of Two-Unicast Network-Coded Hybrid-ARQ With Unreliable Feedback. IEEE Transactions on Vehicular Technology, 2018, 67, 10871-10885.	3.9	8
124	An Efficient Network-Coded ARQ Scheme for Two-Way Wireless Communication With Full-Duplex Relaying. IEEE Access, 2019, 7, 131995-132009.	2.6	8
125	A Simple Multiuser and Single-User Dual-Mode Downlink System with Limited Feedback. , 2007, , .		7
126	Recursive covariance design for multiple antenna physical layer multicasting. , 2008, , .		7



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127	Limited Feedback Beamforming Codebook Design for Dual-Polarized MIMO Channels. , 2008, , .		7
128	Millimeter wave beamforming for multiuser dual-polarized MIMO systems. , 2013, , .		7
129	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
130	Learning-Based Adaptive IRS Control With Limited Feedback Codebooks. IEEE Transactions on Wireless Communications, 2022, 21, 9566-9581.	6.1	7
131	Millimeter wave beam-alignment for dual-polarized outdoor MIMO systems. , 2013, , .		6
132	Multiway Distributed Wireless Relay Network With Projected Binary Quantization. IEEE Transactions on Signal Processing, 2017, 65, 6462-6477.	3.2	6
133	Transcoding: A new strategy for relay channels. , 2017, , .		6
134	Improving millimeter-wave channel models for suburban environments with site-specific geometric features. , 2018, , .		6
135	Large-Scale Cellular Coverage Analyses for UAV Data Relay via Channel Modeling. , 2020, , .		6
136	Channel Estimation via Successive Denoising in MIMO OFDM Systems: A Reinforcement Learning Approach. , 2021, , .		6
137	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
138	On resource allocation in two-way limited feedback beamforming systems. , 2008, , .		5
139	Throughput delay tradeoff for wireless multicast using hybrid-ARQ protocols. , 2008, , .		5
140	Closed-form expression for optimal two-user MIMO unitary precoding. IEEE Communications Letters, 2009, 13, 251-253.	2.5	5
141	A Feedback Update Control Scheme for Limited Feedback Multiple Antennas Systems. , 2010, , .		5
142	A noisy feedback encoding scheme for the Gaussian channel. , 2010, , .		5
143	Heterogeneous Massive MIMO with Small Cells. , 2016, , .		5
144	Implementation of rate-adaptive integer forcing compression in distributed wireless relay networking. , 2018, , .		5

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145	Determining Electromagnetic Exposure Compliance of Multi-Antenna Devices in Linear Time. IEEE Transactions on Antennas and Propagation, 2019, 67, 7585-7596.	3.1	5
146	Guest Editorial Special Issue on Multiple Antenna Technologies for Beyond 5G-Part 1. IEEE Journal on Selected Areas in Communications, 2020, 38, 1633-1636.	9.7	5
147	Dynamic Electromagnetic Exposure Allocation for Rayleigh Fading MIMO Channels. IEEE Transactions on Wireless Communications, 2021, 20, 728-740.	6.1	5
148	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
149	Frequency-based Automated Modulation Classification in the Presence of Adversaries. , 2021, , .		5
150	MIMO nullforming with RVQ limited feedback and channel estimation errors. , 2014, , .		4
151	Quantized distributed relay network for physical layer network coding. , 2015, , .		4
152	Maximizing wireless power transfer using distributed beamforming. , 2016, , .		4
153	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
154	An efficient network coding scheme for two-way communication with ARQ feedback. , 2016, , .		4
155	Multi-Antenna SAR Estimation in Linear Time. , 2018, , .		4
156	Causal Adversarial Channels With Feedback Snooping. IEEE Journal on Selected Areas in Information Theory, 2022, 3, 69-84.	1.9	4
157	Low Complexity Adaptive Design for Full-Diversity Full-Rate Space-Time Codes. IEEE Transactions on Signal Processing, 2006, 54, 3180-3189.	3.2	3
158	WLC42-2: Spatial Multiplexing with Opportunistic Scheduling for Multiuser MIMO-OFDM Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
159	Precoding for Multiple Antenna Broadcast Channels with Channel Mismatch. , 2006, , .		3
160	WLC26-2: Limited Feedback in Multiple Antenna Broadcast Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
161	Minimizing the Number of Dropped Users in MIMO Multicasting Channels. , 2007, , .		3
162	Feedforward Frameworks to Enhance Decoding in Precoded Multiuser MIMO Systems. IEEE Signal Processing Letters, 2009, 16, 945-948.	2.1	3

#	ARTICLE	IF	CITATIONS
163	Insights into feedback and feedback signaling for beamformer design. , 2009, , .		3
164	On the achievable rate of the additive Gaussian noise channel with noisy feedback. , 2010, , .		3
165	Limited Feedback Beamforming Systems in Dual-Polarized MIMO Channel. IEEE Transactions on Wireless Communications, 2010, , .	6.1	3
166	Fast multi-channel Gibbs-sampling for low-overhead distributed resource allocation in OFDMA cellular networks. , 2013, , .		3
167	Low SINR Synchronization for the DARPA Spectrum Challenge Scenario. , 2014, , .		3
168	Implementation and Analysis of Energy Detection-Based Sensing Using USRP/SBX Platform. , 2014, , .		3
169	Downlink training codebook design and hybrid precoding in FDD massive MIMO systems. , 2014, , .		3
170	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
171	Advanced Quantizer Designs for FD-MIMO Systems Using Uniform Planar Arrays. , 2016, , .		3
172	Receiver design and bit allocation for a multi-user distributed relay network performing vector quantization. , 2016, , .		3
173	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
174	Communicating Over Filter-and-Forward Relay Networks With Channel Output Feedback. IEEE Transactions on Signal Processing, 2016, 64, 1117-1131.	3.2	3
175	Mixed quadratic model for peak spatial-average SAR of coherent multiple antenna devices. , 2017, , .		3
176	Throughput Analysis of Two-Way NCed-HARQ With Reverse-Link Assistance and Estimated Channel State Information. IEEE Communications Letters, 2018, 22, 352-355.	2.5	3
177	Millimeter Wave Beam Recommendation via Tensor Completion. , 2020, , .		3
178	Stochastic-Adversarial Channels: Online Adversaries With Feedback Snooping. , 2021, , .		3
179	Uplink NOMA for Heterogeneous NTN with LEO Satellites and High-Altitude Platform Relays. , 2022, , .		3
180	Corrections to "Equal gain transmission in multiple-input multiple-output wireless systems". IEEE Transactions on Communications, 2003, 51, 1613-1613.	4.9	2

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181	Improved space-time coding for multiple antenna multicasting. , 2006, , .		2
182	SPCp1-05: On Some Techniques for Reducing the Feedback Requirement in Precoded MIMO-OFDM. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2
183	On the delay performance in multi-antenna wireless networks using contention-based feedback. IEEE Transactions on Communications, 2008, 56, 1769-1774.	4.9	2
184	Trellis coded beamforming vector quantization with fractional bits per antenna. , 2009, , .		2
185	Channel output feedback based design of a coding scheme for MISO fading channels. , 2010, , .		2
186	A sparse bayesian approach to multistatic radar imaging. , 2011, , .		2
187	An iteratively optimized linear coding scheme for correlated Gaussian channels with noisy feedback. , 2011, , .		2
188	Waveform design for multistatic radar imaging using mutual information. , 2012, , .		2
189	Noncoherent trellis-coded quantization for massive MIMO limited feedback beamforming. , 2013, , .		2
190	Beamformer optimization with a constraint on user electromagnetic radiation exposure. , 2013, , .		2
191	Transmit covariance optimization with a constraint on user electromagnetic radiation exposure. , 2013, , .		2
192	Training signal design for channel estimation in massive MIMO systems. , 2014, , .		2
193	Multi-Resolution Codebook Based Beamforming Sequence Design in Millimeter-Wave Systems. , 2014, , .		2
194	Sparse Subspace Decomposition for Millimeter Wave MIMO Channel Estimation. , 2016, , .		2
195	Simultaneous wireless information and power transfer over inductively coupled circuits. , 2017, , .		2
196	Performance Analysis of Multi-Way Quantized Distributed Relay Networking. , 2017, , .		2
197	Error Control Sounding Strategies for Millimeter Wave Beam Alignment. , 2018, , .		2
198	Single-Bit Millimeter Wave Beam Alignment Using Error Control Sounding Strategies. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1032-1045.	7.3	2

#	ARTICLE	IF	CITATIONS
199	Multiple-Input Multiple-Output (MIMO) MRI: Combining Parallel Excitation and Parallel Reception for Enhanced Imaging. IEEE Transactions on Computational Imaging, 2019, 5, 596-605.	2.6	2
200	Noncoherent OOK Symbol Detection with Supervised-Learning Approach for BCC. , 2020, , .		2
201	Optimization of Two-Way Network Coded HARQ With Overhead. IEEE Transactions on Communications, 2020, 68, 3602-3613.	4.9	2
202	Wideband Millimeter-Wave Massive MIMO Channel Training via Compressed Sensing. , 2021, , .		2
203	Combining Circulant Space-Time Coding with IFFT/FFT and Spreading. , 0, , .		1
204	Recent advances in multiuser MIMO systems. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	1
205	Instantaneous degrees of freedom of downlink interference channels with multiuser diversity. , 2011, , .		1
206	A lower bound on feedback capacity of colored Gaussian relay channels. , 2012, , .		1
207	Quantized auction schemes for secondary spectrum markets. , 2013, , .		1
208	Interference detection using time-frequency binary hypothesis testing. , 2015, , .		1
209	On practical network coded ARQ for two-way wireless communication. , 2017, , .		1
210	Millimeter Wave Communications for 5G Networks. , 0, , 188-213.		1
211	Multiple-input multiple-output (MIMO) MRI: An efficient pulse design algorithm to combine parallel excitation and parallel imaging. , 2017, , .		1
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