

Hamid Jafarkhani

List of Publications by Year in descending order

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220
papers

15,070
citations

136950

32
h-index

24982

109
g-index

221
all docs

221
docs citations

221
times ranked

5192
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Complexity Dynamic Resource Scheduling for Downlink MC-NOMA Over Fading Channels. IEEE Transactions on Wireless Communications, 2022, 21, 3536-3550.	9.2	9
2	Energy-Efficient Deployment in Static and Mobile Heterogeneous Multi-Hop Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2022, 21, 4973-4988.	9.2	12
3	Energy-Efficient Node Deployment in Heterogeneous Two-Tier Wireless Sensor Networks With Limited Communication Range. IEEE Transactions on Wireless Communications, 2021, 20, 40-55.	9.2	37
4	Distributed and Quantized Online Multi-Kernel Learning. IEEE Transactions on Signal Processing, 2021, 69, 5496-5511.	5.3	6
5	Prospect of artificial intelligence for the assessment of cardiac function and treatment of cardiovascular disease. Future Cardiology, 2021, 17, 183-187.	1.2	2
6	Low-Complexity Joint User and Power Scheduling for Downlink NOMA Over Fading Channels. , 2021, , .		4
7	Joint Beamwidth and Power Optimization in MmWave Hybrid Beamforming-NOMA Systems. IEEE Transactions on Wireless Communications, 2021, 20, 2442-2456.	9.2	10
8	Reconfigurable Intelligent Surface Assisted mmWave UAV Wireless Cellular Networks. , 2021, , .		10
9	Asynchronous Transmission for Multiple Access Channels: Rate-Region Analysis and System Design for Uplink NOMA. IEEE Transactions on Wireless Communications, 2021, 20, 4364-4378.	9.2	13
10	Generalized Space-Time Super-Modulation and Its Application to Grant-Free Medium Access. IEEE Transactions on Communications, 2021, 69, 5758-5772.	7.8	0
11	On the Deployment Problem in Cell-Free UAV Networks. , 2021, , .		3
12	MOCZ for Blind Short-Packet Communication: Practical Aspects. IEEE Transactions on Wireless Communications, 2020, 19, 6675-6692.	9.2	11
13	Fully automated deep learning segmentation of pediatric cardiovascular magnetic resonance of patients with complex congenital heart diseases. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 80.	3.3	31
14	Generalizable fully automated multi-label segmentation of four-chamber view echocardiograms based on deep convolutional adversarial networks. Journal of the Royal Society Interface, 2020, 17, 20200267.	3.4	13
15	Energy-Efficient Node Deployment in Wireless Ad-hoc Sensor Networks. , 2020, , .		6
16	Optimal Deployments of UAVs With Directional Antennas for a Power-Efficient Coverage. IEEE Transactions on Communications, 2020, 68, 5159-5174.	7.8	21
17	mmWave Lens-Based MIMO System for Suppressing Small-Scale Fading and Shadowing. IEEE Transactions on Wireless Communications, 2020, 19, 5292-5306.	9.2	1
18	Downlink Asynchronous Non-Orthogonal Multiple Access With Quantizer Optimization. IEEE Wireless Communications Letters, 2020, 9, 1606-1610.	5.0	4

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19	Repairing Reed-Solomon Codes Over $\mathbb{GF}(2^{\ell})$. IEEE Communications Letters, 2020, 24, 34-37.	4.1	6
20	Exploiting Time Asynchrony in Multi-User Transmit Beamforming. IEEE Transactions on Wireless Communications, 2020, 19, 3156-3169.	9.2	8
21	mmWave Amplify-and-Forward MIMO Relay Networks With Hybrid Precoding/Combining Design. IEEE Transactions on Wireless Communications, 2020, 19, 1333-1346.	9.2	32
22	Trellis-Coded Non-Orthogonal Multiple Access. IEEE Wireless Communications Letters, 2020, 9, 538-542.	5.0	5
23	Cooperative Asynchronous Non-Orthogonal Multiple Access With Power Minimization Under QoS Constraints. IEEE Transactions on Wireless Communications, 2020, 19, 1503-1518.	9.2	4
24	On the Capacity of Faster Than Nyquist Signaling. IEEE Communications Letters, 2020, 24, 1197-1201.	4.1	16
25	Optimal 3D-UAV Trajectory and Resource Allocation of DL UAV-GE Links with Directional Antennas. , 2020, , .		5
26	On Analog QAM Demodulation for Millimeter-Wave Communications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 402-406.	3.0	5
27	On the Sub-Packetization Size and the Repair Bandwidth of Reed-Solomon Codes. IEEE Transactions on Information Theory, 2019, 65, 5484-5502.	2.4	14
28	Hybrid Precoding/Combining Design in mmWave Amplify-and-Forward MIMO Relay Networks. , 2019, , .		3
29	Movement-Efficient Sensor Deployment in Wireless Sensor Networks With Limited Communication Range. IEEE Transactions on Wireless Communications, 2019, 18, 3469-3484.	9.2	44
30	Using Quantization to Deploy Heterogeneous Nodes in Two-Tier Wireless Sensor Networks. , 2019, , .		14
31	Space-Time Signal Design for Multilevel Polar Coding in Slow Fading Broadcast Channels. IEEE Transactions on Communications, 2019, 67, 5940-5952.	7.8	2
32	An Analysis of Two-User Uplink Asynchronous Non-orthogonal Multiple Access Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1404-1418.	9.2	27
33	Quantizers with Parameterized Distortion Measures. , 2019, , .		4
34	Asynchronous Local Construction of Bounded-Degree Network Topologies Using Only Neighborhood Information. IEEE Transactions on Communications, 2019, 67, 2101-2113.	7.8	3
35	Improving NOMA Multi-Carrier Systems With Intentional Frequency Offsets. IEEE Wireless Communications Letters, 2019, 8, 1060-1063.	5.0	14
36	A High-Diversity Transceiver Design for MISO Broadcast Channels. IEEE Transactions on Wireless Communications, 2019, 18, 2591-2606.	9.2	4

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37	On the I/O Costs in Repairing Short-Length Reed-Solomon Codes. , 2019, , .		5
38	A Block-Based Non-Orthogonal Multicarrier Scheme. , 2019, , .		2
39	Downlink Asynchronous Non-Orthogonal Multiple Access Systems with Imperfect Channel Information. , 2019, , .		2
40	Artificial intelligence in pediatric and adult congenital cardiac MRI: an unmet clinical need. Cardiovascular Diagnosis and Therapy, 2019, 9, S310-S325.	1.7	31
41	Time Asynchronous NOMA for Downlink Transmission. , 2019, , .		9
42	Improved Cognitive Radio Receivers Using Timing Mismatch of Primary and Secondary Users. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 948-952.	3.0	1
43	Multi-User Analog Beamforming in Millimeter Wave MIMO Systems Based on Path Angle Information. IEEE Transactions on Wireless Communications, 2019, 18, 608-619.	9.2	28
44	Enhanced Spectrum Sharing and Cognitive Radio Using Asynchronous Primary and Secondary Users. IEEE Communications Letters, 2018, 22, 832-835.	4.1	14
45	Wireless Secure Communication With Beamforming and Jamming in Time-Varying Wiretap Channels. IEEE Transactions on Information Forensics and Security, 2018, 13, 2087-2100.	6.9	31
46	A Source Coding Perspective on Node Deployment in Two-Tier Networks. IEEE Transactions on Communications, 2018, 66, 3035-3049.	7.8	15
47	Robust Multi-User Analog Beamforming in mmWave MIMO Systems. , 2018, , .		1
48	Interleaving Channel Estimation and Limited Feedback for Point-to-Point Systems With a Large Number of Transmit Antennas. IEEE Transactions on Wireless Communications, 2018, 17, 6762-6774.	9.2	6
49	On the Performance of MRC Receiver with Unknown Timing Mismatch-A Large Scale Analysis. , 2018, , .		5
50	Low-Complexity Reconfigurable MIMO for Millimeter Wave Communications. IEEE Transactions on Communications, 2018, 66, 5278-5291.	7.8	16
51	Movement-Efficient Sensor Deployment in Wireless Sensor Networks. , 2018, , .		11
52	On Uplink Asynchronous Non-Orthogonal Multiple Access Systems with Timing Error. , 2018, , .		6
53	Covert Wireless Communication With a Poisson Field of Interferers. IEEE Transactions on Wireless Communications, 2018, 17, 6005-6017.	9.2	84
54	A New Reconfigurable Antenna MIMO Architecture for mmWave Communication. , 2018, , .		16

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55	Millimeter Wave Communications with Reconfigurable Antennas. , 2018, , .		3
56	A 3-D Active Contour Method for Automated Segmentation of the Left Ventricle From Magnetic Resonance Images. IEEE Transactions on Biomedical Engineering, 2017, 64, 134-144.	4.2	44
57	Automatic segmentation of the right ventricle from cardiac MRI using a learning-based approach. Magnetic Resonance in Medicine, 2017, 78, 2439-2448.	3.0	115
58	On the Minimum Average Distortion of Quantizers With Index-Dependent Distortion Measures. IEEE Transactions on Signal Processing, 2017, 65, 4655-4669.	5.3	12
59	Space-Time Super-Modulation: Concept, Design Rules, and Its Application to Joint Medium Access and Rateless Transmission. IEEE Transactions on Wireless Communications, 2017, 16, 8275-8288.	9.2	9
60	Asynchronous Network Coding for Multiuser Cooperative Communications. IEEE Transactions on Wireless Communications, 2017, 16, 8250-8260.	9.2	8
61	Joint routing, scheduling and power control for large interference wireless networks. Journal of Communications and Networks, 2017, 19, 416-425.	2.6	5
62	Energy efficiency in two-tiered wireless sensor networks. , 2017, , .		8
63	Exploiting Asynchronous Signaling for Multiuser Cooperative Networks with Analog Network Coding. , 2017, , .		10
64	Downlink Non-Orthogonal Multiple Access With Limited Feedback. IEEE Transactions on Wireless Communications, 2017, 16, 6151-6164.	9.2	15
65	Local Construction of Bounded-Degree Network Topologies Using Only Neighborhood Information. , 2017, , .		1
66	Outage-Optimized Multicast Beamforming With Distributed Limited Feedback. IEEE Transactions on Wireless Communications, 2017, 16, 2069-2082.	9.2	5
67	Two-user downlink non-orthogonal multiple access with limited feedback. , 2017, , .		3
68	A tradeoff between the sub-packetization size and the repair bandwidth for reed-solomon code. , 2017, , .		12
69	Joint optimization of polar codes and STBCs. , 2017, , .		0
70	Outage-optimized distributed quantizers for multicast beamforming. , 2016, , .		1
71	Interference Mitigation Using Asynchronous Transmission and Sampling Diversity. , 2016, , .		20
72	Sensor Deployment in Heterogeneous Wireless Sensor Networks. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
73	Asynchronous Channel Training in Massive MIMO Systems. , 2016, , .		8
74	On the Minimum Distortion of Quantizers with Heterogeneous Reproduction Points. , 2016, , .		5
75	Amplify-and-Forward Relay Networks With Variable-Length Limited Feedback. IEEE Transactions on Wireless Communications, 2016, 15, 7725-7737.	9.2	1
76	Sensor Deployment With Limited Communication Range in Homogeneous and Heterogeneous Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 6771-6784.	9.2	65
77	Delay-Limited and Ergodic Capacities of MIMO Channels With Limited Feedback. IEEE Transactions on Communications, 2016, 64, 3683-3696.	7.8	6
78	Space-Time Super-Modulation and Its Application to Joint Medium Access and Rateless Transmission. , 2016, , .		3
79	A combined deep-learning and deformable-model approach to fully automatic segmentation of the left ventricle in cardiac MRI. Medical Image Analysis, 2016, 30, 108-119.	11.6	471
80	Full-Reference Video Quality Estimation for Videos With Different Spatial Resolutions. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1988-2000.	8.3	2
81	Variable-Length Limited Feedback for Amplify-and-Forward Relay Networks. , 2015, , .		0
82	Interleaving training and limited feedback for point-to-point massive multiple-antenna systems. , 2015, , .		9
83	Asynchronous Orthogonal Differential Decoding for Multiple Access Channels. IEEE Transactions on Wireless Communications, 2015, 14, 481-493.	9.2	12
84	Differential Distributed Space-Time Coding With Imperfect Synchronization in Frequency-Selective Channels. IEEE Transactions on Wireless Communications, 2015, 14, 1811-1822.	9.2	22
85	Cooperative Quantization for Two-User Interference Channels. IEEE Transactions on Communications, 2015, 63, 2698-2712.	7.8	4
86	Exploiting Asynchronous Amplify-and-Forward Relays to Enhance the Performance of IEEE 802.11 Networks. IEEE/ACM Transactions on Networking, 2015, 23, 479-490.	3.8	9
87	Multicast Networks With Variable-Length Limited Feedback. IEEE Transactions on Wireless Communications, 2015, 14, 252-264.	9.2	11
88	A variable-length channel quantizer for multicast networks with two users. , 2014, , .		0
89	Distributed detection for wireless sensor networks with fusion center under correlated noise. , 2014, , .		2
90	Differential distributed space-time coding with imperfect synchronization. , 2014, , .		4

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91	Delay-limited capacity of MIMO channels with limited feedback. , 2014, , .		1
92	High SNR Linear Estimation of Vector Sources. IEEE Wireless Communications Letters, 2014, 3, 581-584.	5.0	5
93	Asynchronous orthogonal differential modulation for MAC systems. , 2014, , .		0
94	Distributed channel quantization for two-user interference networks. , 2014, , .		2
95	Full-Reference Quality Estimation for Images With Different Spatial Resolutions. IEEE Transactions on Image Processing, 2014, 23, 2069-2080.	9.8	16
96	Variable-Length Limited Feedback Beamforming in Multiple-Antenna Fading Channels. IEEE Transactions on Information Theory, 2014, 60, 7140-7165.	2.4	17
97	Decentralized Estimation Under Correlated Noise. IEEE Transactions on Signal Processing, 2014, 62, 5603-5614.	5.3	30
98	Relay assignment in multiple source-destination cooperative networks with limited feedback. , 2014, , .		0
99	Relay Assignment in Multiple Source-Destination Cooperative Networks With Limited Feedback. IEEE Transactions on Wireless Communications, 2014, 13, 5741-5751.	9.2	6
100	Variable-Length Limited Feedback for Amplify-and-Forward Relay Networks. , 2014, , .		0
101	Connectivity of Random Wireless Networks with Distributed Resource Allocation. , 2014, , .		0
102	Full reference video quality estimation for videos with different spatial resolutions. , 2014, , .		3
103	Maximum-Rate Transmission With Improved Diversity Gain for Interference Networks. IEEE Transactions on Information Theory, 2013, 59, 5313-5330.	2.4	17
104	Orthogonal Differential Modulation for MIMO Multiple Access Channels with Two Users. IEEE Transactions on Communications, 2013, 61, 2374-2384.	7.8	5
105	Space-Time Code Design for Multiple-Access Channels With Quantized Feedback. IEEE Transactions on Signal Processing, 2013, 61, 507-512.	5.3	0
106	Selection diversity for interference alignment systems. , 2013, , .		2
107	Image quality estimation for different spatial resolutions. , 2013, , .		1
108	Very Low-Rate Variable-Length Channel Quantization for Minimum Outage Probability. , 2013, , .		5

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109	Variable-length channel quantizers for maximum diversity and array gains. , 2013, , .		1
110	UAV-aided cross-layer routing for MANETs. , 2012, , .		13
111	Space-Time Processing for X Channels Using Precoders. IEEE Transactions on Signal Processing, 2012, 60, 1849-1861.	5.3	22
112	Towards the feasibility conditions for linear interference alignment with symbol extensions: A diversity constraint. , 2012, , .		4
113	Quality estimation for images and video with different spatial resolutions. , 2012, , .		4
114	Multi-User Downlink System Design with Bright Transmitters and Blind Receivers. IEEE Transactions on Wireless Communications, 2012, 11, 4074-4084.	9.2	8
115	Linear Estimation of Correlated Vector Sources for Wireless Sensor Networks with Fusion Center. IEEE Wireless Communications Letters, 2012, 1, 400-403.	5.0	9
116	Linear Decentralized Estimation of Correlated Data for Power-Constrained Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2012, 60, 6003-6016.	5.3	61
117	Multi-user detection for asynchronous space-frequency block coded schemes in frequency selective environments. , 2012, , .		0
118	A Statistical Study of Loss-Delay Tradeoff for RED Queues. IEEE Transactions on Communications, 2012, 60, 1966-1974.	7.8	7
119	On the Structure of Limited-Feedback Beamforming Codebooks for Amplify-and-Forward Relay Networks. IEEE Transactions on Information Theory, 2012, 58, 2874-2895.	2.4	2
120	Distributed Beamforming in Wireless Multiuser Relay-Interference Networks With Quantized Feedback. IEEE Transactions on Information Theory, 2012, 58, 4538-4576.	2.4	43
121	Relay Power Allocation in Distributed Space-Time Coded Networks with Channel Statistical Information. IEEE Transactions on Wireless Communications, 2011, 10, 443-449.	9.2	18
122	MIMO-Assisted MPR-Aware MAC Design for Asynchronous WLANs. IEEE/ACM Transactions on Networking, 2011, 19, 1652-1665.	3.8	22
123	Performance of H.264 with isolated bit error: Packet decode or discard?. , 2011, , .		6
124	When Alamouti codes meet interference alignment: Transmission schemes for two-user X channel. , 2011, , .		29
125	How to Lower Congestion with Cross-Layer MPR-PHY/MAC Design?. , 2011, , .		0
126	The necessity of relay selection for beamforming in amplify-and-forward networks. , 2011, , .		0

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127	Secure space-time block coding via artificial noise alignment. , 2011, , .		16
128	Linear decentralized estimation of correlated data for wireless sensor networks. , 2011, , .		1
129	Performance Evaluation of a MIMO-Assisted MPR-MAC over Lossy Channels. IEEE Transactions on Wireless Communications, 2011, 10, 396-400.	9.2	4
130	Cooperative Jamming and Power Allocation for Wireless Relay Networks in Presence of Eavesdropper. , 2011, , .		85
131	Multiple-Antenna Interference Cancellation and Detection for Two Users Using Quantized Feedback. IEEE Transactions on Wireless Communications, 2011, 10, 154-163.	9.2	70
132	CLA-MAC: A cooperative extension of load adaptive MAC protocol. , 2011, , .		0
133	Interference Cancellation and Detection for More than Two Users. IEEE Transactions on Communications, 2011, 59, 901-910.	7.8	17
134	Interference Cancellation at the Relay for Multi-User Wireless Cooperative Networks. IEEE Transactions on Wireless Communications, 2011, 10, 930-939.	9.2	20
135	Multisource Transmission for Wireless Relay Networks With Linear Complexity. IEEE Transactions on Signal Processing, 2011, 59, 2898-2912.	5.3	7
136	Dual Alamouti Codes. , 2011, , .		2
137	Outage Behavior of Slow Fading Channels With Power Control Using Partial and Erroneous CSIT. IEEE Transactions on Information Theory, 2010, 56, 6097-6102.	2.4	11
138	Using Quantized Feedback to Cancel Interference in Multiple Access Channels. , 2010, , .		4
139	A Systematic Distributed Quantizer Design Method with an Application to MIMO Broadcast Channels. , 2010, , .		6
140	Quasi-Orthogonal Space-Time-Frequency Trellis Codes for Two Transmit Antennas. IEEE Transactions on Wireless Communications, 2010, 9, 2125-2129.	9.2	8
141	Distortion optimal transmission of multi-layered FGS video over wireless channels. IEEE Journal on Selected Areas in Communications, 2010, 28, 510-519.	14.0	9
142	Transmission Schemes for Two-User Linear Multi-Access Relay Networks. , 2010, , .		2
143	On relay-interference networks with quantized feedback. , 2010, , .		0
144	Differential Quasi-Orthogonal Space-Frequency Trellis Codes. IEEE Transactions on Wireless Communications, 2010, 9, 3620-3624.	9.2	5

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145	An optimal power-throughput tradeoff study for MIMO fading ad-hoc networks. Journal of Communications and Networks, 2010, 12, 334-345.	2.6	10
146	Interference Cancellation at the Relay in Two User Wireless Relay Networks. , 2010, , .		6
147	Optimal Use of Antennas in Interference Networks: A Tradeoff between Rate, Diversity and Interference Alignment. , 2009, , .		20
148	Wireless video transmission: A single layer distortion optimal approach. , 2009, , .		0
149	Resource Allocation Algorithms with Reduced Complexity in MIMO Multi-Hop Fading Channels. , 2009, , .		2
150	Network Beamforming Using Relays With Perfect Channel Information. IEEE Transactions on Information Theory, 2009, 55, 2499-2517.	2.4	350
151	Combining Beamforming and Space-Time Coding Using Noisy Quantized Feedback. IEEE Transactions on Communications, 2009, 57, 1280-1286.	7.8	28
152	Throughput maximization over slowly fading channels using quantized and erroneous feedback. IEEE Transactions on Communications, 2009, 57, 2528-2533.	7.8	26
153	Multiple-Antenna Interference Cancellation and Detection for Two Users Using Precoders. IEEE Journal on Selected Topics in Signal Processing, 2009, 3, 1066-1078.	10.8	28
154	Single and multiple relay selection schemes and their achievable diversity orders. IEEE Transactions on Wireless Communications, 2009, 8, 1414-1423.	9.2	576
155	Beamforming in Wireless Relay-Interference Networks with Quantized Feedback. , 2009, , .		1
156	Performance analysis of multiple antenna multi-user detection. , 2009, , .		33
157	Space-time-state block coded mimo communication systems using reconfigurable antennas. IEEE Transactions on Wireless Communications, 2009, 8, 6019-6029.	9.2	22
158	Multiuser Interference Cancellation and Detection for Users with More Than Two Transmit Antennas. IEEE Transactions on Communications, 2008, 56, 574-583.	7.8	71
159	A Unified Framework for Layered Transmission Over Fading and Packet Erasure Channels. IEEE Transactions on Communications, 2008, 56, 565-573.	7.8	6
160	Distributed differential space-time coding for wireless relay networks. IEEE Transactions on Communications, 2008, 56, 1092-1100.	7.8	119
161	Transmission of Progressive Images Over Noisy Channels: An End-to-End Statistical Optimization Framework. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 220-231.	10.8	5
162	Introduction to the Issue on MIMO-Optimized Transmission Systems for Delivering Data and Rich Content. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 121-123.	10.8	0

#	ARTICLE	IF	CITATIONS
163	Quasi-Orthogonal Space-Frequency and Space-Time-Frequency Block Codes for MIMO OFDM Channels. IEEE Transactions on Wireless Communications, 2008, 7, 184-192.	9.2	49
164	Distributed beamforming in wireless relay networks with quantized feedback. IEEE Journal on Selected Areas in Communications, 2008, 26, 1429-1439.	14.0	110
165	Design rules for extended super-orthogonal space-time trellis codes. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	7
166	Combining Beamforming and Space-Time Coding Using Quantized Feedback. IEEE Transactions on Wireless Communications, 2008, 7, 898-908.	9.2	44
167	A reconfigurable multiple-input multiple-output communication system. IEEE Transactions on Wireless Communications, 2008, 7, 1719-1733.	9.2	70
168	Wireless Video Transmission: A Distortion-Optimal Approach. Proceedings of the Data Compression Conference, 2008, , .	0.0	3
169	Beamforming in wireless relay networks. , 2008, , .		12
170	Space-Time Block Coded Reconfigurable MIMO Communication System Using ORIOL Antennas. , 2008, , .		4
171	State-Selection in a Space-Time-State Block Coded MIMO Communication System Using Reconfigurable PIXEL Antennas. , 2008, , .		3
172	Global Optimal Routing, Scheduling and Power Control for Multi-Hop Wireless Networks with Interference. , 2008, , .		3
173	A Performance Evaluation of H.264 FGS Sequences over Hybrid Networks. , 2008, , .		1
174	Optimal Rate and Power Allocation for Layered Transmission with Superposition Coding. , 2007, , .		6
175	Successive Transmit Beamforming Algorithms for Multiple-Antenna OFDM Systems. IEEE Transactions on Wireless Communications, 2007, 6, 1512-1522.	9.2	22
176	Rate and Power Adaptation Over Slow Fading Channels With Noisy Quantized Feedback. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	2
177	Joint Source-Channel Coding for Quasi-Static Fading Channels with Quantized Feedback. , 2007, , .		4
178	Joint Source-Channel Coding for Quasi-Static Fading Channels with Noisy Quantized Feedback. , 2007, , .		4
179	Outage Behavior of Quasi-Static Fading Channels with Partial Power Control and Noisy Feedback. , 2007, , .		2
180	An Exact Solution to an Approximated Model of RED. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
181	Network Beamforming using Relays with Perfect Channel Information. , 2007, , .		111
182	Punctured super-orthogonal space-time trellis codes. IEEE Transactions on Wireless Communications, 2007, 6, 4494-4503.	9.2	0
183	Improved Detection of Differential Space-Time Block Codes. , 2007, , .		2
184	Transmission Over Slowly Fading Channels Using Unreliable Quantized Feedback. , 2007, , .		16
185	Computer design of super-orthogonal space-time trellis codes. IEEE Transactions on Wireless Communications, 2007, 6, 463-467.	9.2	10
186	A multifunctional mems-reconfigurable pixel antenna for narrowband MIMO communications. , 2007, , .		20
187	Rate and Power Allocation for Layered Transmission With Superposition Coding. IEEE Signal Processing Letters, 2007, 14, 773-776.	3.6	21
188	Using Orthogonal and Quasi-Orthogonal Designs in Wireless Relay Networks. IEEE Transactions on Information Theory, 2007, 53, 4106-4118.	2.4	246
189	Differential Super-Orthogonal Space-Time Trellis Codes. IEEE Transactions on Wireless Communications, 2006, 5, 3634-3643.	9.2	13
190	CTH07-2: Design of Multi-Antenna Coded Modulators Using Noisy Quantized Channel State Information. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	6
191	CTH17-1: Using Orthogonal and Quasi-Orthogonal Designs in Wireless Relay Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	24
192	A Low Complexity Progressive Bitstream Transmission System for Hybrid Channels with Correlated Loss. , 2006, , .		1
193	An Efficient Progressive Bitstream Transmission System for Hybrid Channels With Memory. IEEE Transactions on Multimedia, 2006, 8, 1291-1298.	7.2	10
194	On the Duality of Layered Transmission for Fading and Packet Erasure Channels. , 2006, , .		0
195	Novel Transmit Beamforming Schemes for Time-Selective Fading Multiantenna Systems. IEEE Transactions on Signal Processing, 2006, 54, 4767-4781.	5.3	52
196	Space-Time Trellis Codes Based on Channel-Phase Feedback. IEEE Transactions on Communications, 2006, 54, 2186-2198.	7.8	16
197	The impacts of physical layer parameters on the connectivity of ad-hoc networks. , 2006, , .		8
198	Novel Transmit Beamforming Schemes for Time-Varying Fading Channels. , 2006, , .		4

#	ARTICLE	IF	CITATIONS
199	Novel Successive Transmit Beamforming Algorithms for MISO-OFDM Systems. , 2006, , .		4
200	Quasi-Orthogonal Space-Frequency Block Codes for MIMO OFDM Channels. , 2006, , .		3
201	Layered Media Multicast Control (LMMC): Real-Time Error Control. IEEE Transactions on Multimedia, 2006, 8, 1219-1227.	7.2	3
202	Space-Time Coding and Beamforming Using Noisy Rate-Limited Feedback. , 2006, , .		2
203	Multiuser Interference Cancellation and Detection for Users with Four Transmit Antennas. , 2006, , .		9
204	Optimal Layered Transmission Over Quasi-Static Fading Channels. , 2006, , .		22
205	Layered media multicast control (LMMC): rate allocation and partitioning. IEEE/ACM Transactions on Networking, 2005, 13, 540-553.	3.8	16
206	Super-quasi-orthogonal space-time trellis codes for four transmit antennas. IEEE Transactions on Wireless Communications, 2005, 4, 215-227.	9.2	71
207	Power Optimization of Wireless Media Systems With Space-Time Block Codes. IEEE Transactions on Image Processing, 2004, 13, 873-884.	9.8	38
208	Super-orthogonal space-time trellis codes. IEEE Transactions on Information Theory, 2003, 49, 937-950.	2.4	206
209	Performance evaluation of super-orthogonal space-time trellis codes using a moment generating function-based approach. IEEE Transactions on Signal Processing, 2003, 51, 2739-2751.	5.3	21
210	Multiple-description video coding using motion-compensated temporal prediction. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 193-204.	8.3	121
211	An improvement to multiple description transform coding. IEEE Transactions on Signal Processing, 2002, 50, 2843-2854.	5.3	38
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