

L Hanzo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

250
papers

5,886
citations

37
h-index

67
g-index

266
ext. papers

7,751
ext. citations

5.4
avg, IF

5.79
L-index

#	Paper	IF	Citations
250	Quantifying the Transmit Diversity Order of Euclidean Distance Based Antenna Selection in Spatial Modulation. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 1434-1437	3.2	47
249	Reduced-Complexity ML Detection and Capacity-Optimized Training for Spatial Modulation Systems. <i>IEEE Transactions on Communications</i> , 2014 , 62, 112-125	6.9	134
248	From Nominal to True A Posteriori Probabilities: An Exact Bayesian Theorem Based Probabilistic Data Association Approach for Iterative MIMO Detection and Decoding. <i>IEEE Transactions on Communications</i> , 2013 , 61, 2782-2793	6.9	18
247	. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 1228-1240	6.8	11
246	Antenna Selection in Spatial Modulation Systems. <i>IEEE Communications Letters</i> , 2013 , 17, 521-524	3.8	141
245	Spatial Modulation Aided Zero-Padded Single Carrier Transmission for Dispersive Channels. <i>IEEE Transactions on Communications</i> , 2013 , 61, 2318-2329	6.9	37
244	Adaptive WHT Aided QAM for Fading Channels Subjected to Impulsive Noise. <i>IEEE Communications Letters</i> , 2013 , 17, 1317-1320	3.8	2
243	Reduced-Complexity Approx-Log-MAP and Max-Log-MAP Soft PSK/QAM Detection Algorithms. <i>IEEE Transactions on Communications</i> , 2013 , 61, 1415-1425	6.9	16
242	Distributed Multiple-Component Turbo Codes for Cooperative Hybrid ARQ. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 599-602	3.2	12
241	Effects of Channel Estimation on Spatial Modulation. <i>IEEE Signal Processing Letters</i> , 2012 , 19, 805-808	3.2	61
240	MIMO-Aided Near-Capacity Turbo Transceivers: Taxonomy and Performance versus Complexity. <i>IEEE Communications Surveys and Tutorials</i> , 2012 , 14, 421-442	37.1	50
239	Reduced-Complexity Iterative-Detection-Aided Generalized Space-Time Shift Keying. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 3656-3664	6.8	25
238	Soft-Decision Star-QAM Aided BICM-ID. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 169-172	3.2	23
237	Amplify-forward and decode-forward cooperation relying on systematic Luby transform coded Hybrid Automatic-Repeat-reQuest. <i>IET Communications</i> , 2011 , 5, 1096-1106	1.3	3
236	. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 1571-1577	6.8	17
235	Evolutionary Algorithm Aided Interleaver Design for Serially Concatenated Codes. <i>IEEE Transactions on Communications</i> , 2011 , 59, 1753-1758	6.9	6
234	Near-Capacity Irregular Convolutional Coded Cooperative Differential Linear Dispersion Codes Using Multiple-Symbol Differential Detection. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 173-176	3.2	7

233	Multihop Diversity - A Precious Source of Fading Mitigation in Multihop Wireless Networks 2011 ,		3
232	Turbo Coded and Cooperative Network Coded Non-Coherent Soft-Decision Star-QAM Dispensing with Channel Estimation 2011 ,		1
231	2011 ,		118
230	Particle Swarm Optimisation Aided MIMO Transceiver Designs. <i>Adaptation, Learning, and Optimization</i> , 2010 , 487-511	0.7	6
229	An Energy-Efficient Error Correction Scheme for IEEE 802.15.4 Wireless Sensor Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2010 , 57, 233-237	3.5	19
228	Cooperative Differential Space-Time Spreading for the Asynchronous Relay Aided CDMA Uplink Using Interference Rejection Spreading Code. <i>IEEE Signal Processing Letters</i> , 2010 , 17, 117-120	3.2	8
227	Fuzzy-logic tuned constant modulus algorithm and soft decision-directed scheme for blind equalisation 2010 , 20, 846-859		6
226	Iterative Decoding Convergence and Termination of Serially Concatenated Codes. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 216-224	6.8	11
225	EXIT-Chart-Aided Hybrid Multiuser Detector for Multicarrier Interleave-Division Multiple Access. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 1563-1567	6.8	11
224	Maximum-Throughput Irregular Distributed Space-Time Code for Near-Capacity Cooperative Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 1511-1517	6.8	23
223	A Transceiver Design Based on Uniform Channel Decomposition and MBER Vector Perturbation. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 3153-3159	6.8	14
222	Distributed Self-Concatenated Coding for Cooperative Communication. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 3097-3104	6.8	9
221	Heterogeneous Networking: An Enabling Paradigm for Ubiquitous Wireless Communications [Point of View]. <i>Proceedings of the IEEE</i> , 2010 , 98, 135-138	14.3	11
220	Semi-Blind Gradient-Newton CMA and SDD Algorithm for MIMO Space-Time Equalisation 2009 ,		1
219	Improved MMSE Vector Precoding Based on the MBER Criterion 2009 ,		5
218	Particle Swarm Optimisation Aided Minimum Bit Error Rate Multiuser Transmission 2009 ,		3
217	Pilot symbol assisted coding. <i>Electronics Letters</i> , 2009 , 45, 518	1.1	4
216	Near-Capacity Three-Stage Turbo Detection of Irregular Convolutional Coded Joint Sphere-Packing Modulation and Space-Time Coding. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1486-1495	6.9	4

215	Genetic Algorithm Aided Design of Component Codes for Irregular Variable Length Coding. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1290-1297	6.9	12
214	. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 2322-2330	6.8	5
213	Near-Capacity Irregular-Convolutional-Coding-Aided Irregular Precoded Linear Dispersion Codes. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 2863-2871	6.8	8
212	. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 1387-1395	6.8	4
211	Iterative Irregular Sphere Detection in High-Rate Downlink SDMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 3855-3861	6.8	19
210	EXIT-Chart Optimized Short Block Codes for Iterative Joint Source and Channel Decoding in H.264 Video Telephony. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 4306-4315	6.8	16
209	Fast Converging Semi-Blind Space-Time Equalisation for Dispersive QAM MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 3969-3974	9.6	8
208	Near-capacity irregular variable length coding and irregular unity rate coding. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 5500-5507	9.6	44
207	Minimum bit error rate multiuser transmission designs using particle swarm optimisation. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 5012-5017	9.6	19
206	The Resource-Optimized Differentially Modulated Hybrid AF/DF Cooperative Cellular Uplink Using Multiple-Symbol Differential Sphere Detection. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 965-968	3.2	18
205	Distributed Turbo Trellis Coded Modulation for Cooperative Communications 2009 ,		19
204	Particle swarm optimisation aided semi-blind joint maximum likelihood channel estimation and data detection for MIMO systems 2009 ,		7
203	Iterative Multiuser Detection and Channel Decoding for DS-CDMA Using Harmony Search. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 917-920	3.2	29
202	The Amplify-and-Forward Cooperative Uplink Using Multiple-Symbol Differential Sphere-Detection. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 913-916	3.2	20
201	On the Union Bounds of Self-Concatenated Convolutional Codes. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 754-757	3.2	9
200	Iterative Near-Maximum-Likelihood Detection in Rank-Deficient Downlink SDMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 653-657	6.8	27
199	Analysis of Serial-Search-Based Code Acquisition in the Multiple-Transmit/Multiple-Receive-Antenna-Aided DS-CDMA Downlink. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 1032-1039	6.8	6
198	Ant-Colony-Based Multiuser Detection for Multifunctional-Antenna-Array-Assisted MC DS-CDMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 658-663	6.8	35

197	Precoded Sphere-Packing-Aided Bit-Interleaved Differential Space-Time Coded Modulation Using Iterative Decoding. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 1311-1316	6.8	3
196	Mellin-Transform-Based Performance Analysis of FFH M -ary FSK Using Product Combining for Combatting Partial-Band Noise Jamming. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 2757-2765	6.8	10
195	Equivalent Capacity-Based Joint Multilevel Coding and Space-Time Transmit Diversity Design. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 3006-3014	6.8	1
194	Nonbinary LDPC-Coded Sphere-Packed Transmit Diversity. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 3200-3205	6.8	3
193	Time- and Frequency-Domain-Spread Generalized Multicarrier DS-SS-SS-SS Using Subspace-Based Blind and Group-Blind Space-Time Multiuser Detection. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 3235-3241	6.8	8
192	. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 3607-3617	6.8	31
191	Fully complex-valued radial basis function networks: Orthogonal least squares regression and classification. <i>Neurocomputing</i> , 2008 , 71, 3421-3433	5.4	20
190	Iterative Decoding for Redistributing Energy Consumption in Wireless Sensor Networks 2008 ,		6
189	Single-user performance of direct-sequence code-division multiple-access using relay diversity and power allocation. <i>IET Communications</i> , 2008 , 2, 462	1.3	12
188	Semi-Blind Spatial Equalisation for MIMO Channels with Quadrature Amplitude Modulation 2008 ,		1
187	Turbo Detection of Precoded Sphere Packing Modulation Using Four Transmit Antennas for Differential Space-Time Spreading. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 943-952	9.6	12
186	Channel Prediction and Predictive Vector Quantization Aided Channel Impulse Response Feedback for SDMA Downlink Preprocessing 2008 ,		2
185	Iterative Multiuser Minimum Symbol Error Rate Beamforming Aided QAM Receiver. <i>IEEE Signal Processing Letters</i> , 2008 , 15, 301-304	3.2	7
184	Semi-Blind Adaptive Spatial Equalization for MIMO Systems with High-Order QAM Signalling. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 4486-4491	9.6	21
183	Adaptive Minimum Symbol Error Rate Beamforming Assisted Detection for Quadrature Amplitude Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 1140-1145	9.6	24
182	CMA and Soft Decision-Directed Scheme for Semi-Blind Beamforming of QAM Systems 2008 ,		3
181	Space-time coding for high-throughput interleave division multiplexing aided multi-source co-operation. <i>Electronics Letters</i> , 2008 , 44, 367	1.1	6
180	Generic iterative search-centre-shifting K-best sphere detection for rank-deficient SDM-OFDM systems. <i>Electronics Letters</i> , 2008 , 44, 552	1.1	7

179	Over-Complete Mapping Aided, Soft-Bit Assisted Iterative Unequal Error Protection H.264 Joint Source and Channel Decoding 2008 ,		4
178	Semi-blind Joint Maximum Likelihood Channel Estimation and Data Detection for MIMO Systems. <i>IEEE Signal Processing Letters</i> , 2008 , 15, 202-205	3.2	45
177	On the Performance and Complexity of Irregular Variable Length Codes for Near-Capacity Joint Source and Channel Coding. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 1338-1347	9.6	27
176	Unveiling Near-Capacity Code Design: The Realization of Shannon's Communication Theory for MIMO Channels 2008 ,		13
175	Adaptive Bayesian space-time equalisation for multiple receive-antenna assisted single-input multiple-output systems 2008 , 18, 622-634		
174	Adaptive nonlinear least bit error-rate detection for symmetrical RBF beamforming. <i>Neural Networks</i> , 2008 , 21, 358-67	9.1	3
173	Nonlinear Beamforming for Multiple-Antenna Assisted QPSK Wireless Systems 2008 ,		2
172	2008 ,		18
171	Reduced-Complexity Near-Maximum-Likelihood Detection for Decision Feedback Assisted Space-Time Equalization. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 2407-2411	9.6	4
170	Erasure Insertion in RS-Coded SFH MFSK Subjected to Tone Jamming and Rayleigh Fading. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 3563-3571	6.8	6
169	Adaptive beamforming for binary phase shift keying communication systems. <i>Signal Processing</i> , 2007 , 87, 68-78	4.4	3
168	Constant modulus algorithm aided soft decision directed scheme for blind space-time equalisation of SIMO channels. <i>Signal Processing</i> , 2007 , 87, 2587-2599	4.4	14
167	Layered steered space-time codes and their capacity. <i>Electronics Letters</i> , 2007 , 43, 680	1.1	8
166	Joint Maximum Likelihood Channel Estimation and Data Detection for MIMO Systems 2007 ,		18
165	An Iterative Detection Aided Irregular Convolutional Coded Wavelet Videophone Scheme Using Reversible Variable-Length Codes and Map Equalization.. <i>IEEE Vehicular Technology Conference</i> , 2007 ,	0.1	2
164	Channel Impulse Response Tap Prediction for Time-Varying Wireless Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 2767-2769	6.8	9
163	Joint Iterative Decoding of Trellis-Based VQ and TCM. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 1327-1336	9.6	11
162	Space-time decision feedback equalisation using a minimum bit error rate design for single-input multiple-output channels. <i>IET Communications</i> , 2007 , 1, 671	1.3	3

161	Analytical bit error rate performance of DS-CDMA ad hoc networks using large area synchronous spreading sequences. <i>IET Communications</i> , 2007 , 1, 760	1.3	1
160	Differentially coherent code acquisition in the MIMO-aided multi-carrier DS-CDMA downlink. <i>IET Communications</i> , 2007 , 1, 662	1.3	2
159	Symmetric Kernel Detector for Multiple-Antenna Aided Beamforming Systems. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		2
158	Iterative Joint Channel Estimation and Multi-User Detection for Multiple-Antenna Aided OFDM Systems. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 2904-2914	9.6	39
157	Iteratively Decoded Irregular Variable Length Coding and Trellis Coded Modulation. <i>Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on</i> , 2007 ,		3
156	Clustering-Based Symmetric Radial Basis Function Beamforming. <i>IEEE Signal Processing Letters</i> , 2007 , 14, 589-592	3.2	11
155	Multiuser MIMO-OFDM systems using subcarrier hopping. <i>IET Communications</i> , 2006 , 153, 802		4
154	Space-time trellis and space-time block coding versus adaptive Modulation and coding aided OFDM for wideband channels. <i>IEEE Transactions on Vehicular Technology</i> , 2006 , 55, 173-187	6.8	13
153	A redundant residue number system coded burst-by-burst adaptive joint-detection based CDMA speech transceiver. <i>IEEE Transactions on Vehicular Technology</i> , 2006 , 55, 387-397	6.8	6
152	Hybrid iterative multiuser detection for channel coded space division multiple access OFDM systems. <i>IEEE Transactions on Vehicular Technology</i> , 2006 , 55, 115-127	6.8	27
151	On the MIMO channel capacity of multidimensional signal sets. <i>IEEE Transactions on Vehicular Technology</i> , 2006 , 55, 528-536	6.8	101
150	Minimum bit-error rate design for space-time equalization-based multiuser detection. <i>IEEE Transactions on Communications</i> , 2006 , 54, 824-832	6.9	44
149	Multilevel generalised low-density parity-check codes. <i>Electronics Letters</i> , 2006 , 42, 167	1.1	0
148	Performance limitation of subband adaptive equalisers. <i>Electronics Letters</i> , 2006 , 42, 1009	1.1	2
147	Burst-by-burst adaptive decision feedback equalized TCM, TCM, and BICM for H.263-assisted wireless video telephony. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006 , 16, 363-374	6.4	14
146	Iterative MIMO Detection for Rank-Deficient Systems. <i>IEEE Signal Processing Letters</i> , 2006 , 13, 699-702	3.2	11
145	On the uplink performance of LAS-CDMA. <i>IEEE Transactions on Wireless Communications</i> , 2006 , 5, 1187-1196	1.6	8
144	MBER Space-Time Decision Feedback Equalization Assisted Multiuser Detection for Multiple Antenna Aided SDMA Systems. <i>IEEE Transactions on Signal Processing</i> , 2006 , 54, 3090-3098	4.8	23

143	Reduced-complexity Maximum-Likelihood Detection in Multiple-antenna-aided Multicarrier Systems 2006 , 21-28		6
142	2006 ,		80
141	Parallel-interference-cancellation-assisted decision-directed channel estimation for OFDM systems using multiple transmit antennas. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 2148-2162	9.6	23
140	Performance of broadband multicarrier DS-CDMA using space-time spreading-assisted transmit diversity. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 885-894	9.6	29
139	Adaptive near minimum error rate training for neural networks with application to multiuser detection in CDMA communication systems. <i>Signal Processing</i> , 2005 , 85, 1435-1448	4.4	9
138	Adaptive minimum bit-error rate beamforming. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 341-348	9.6	60
137	Turbo-detected unequal protection MPEG-4 wireless video telephony using multi-level coding, trellis coded modulation and space-time trellis coding. <i>IET Communications</i> , 2005 , 152, 1116		17
136	Multiple-antenna-aided OFDM employing genetic-algorithm-assisted minimum bit error rate multiuser detection. <i>IEEE Transactions on Vehicular Technology</i> , 2005 , 54, 1713-1721	6.8	48
135	Performance of fractionally spread multicarrier CDMA in AWGN as well as slow and fast Nakagami-m fading channels. <i>IEEE Transactions on Vehicular Technology</i> , 2005 , 54, 1817-1827	6.8	6
134	Adaptive minimum bit error rate beamforming assisted receiver for QPSK wireless communication 2005 , 15, 545-567		15
133	Genetic algorithm aided timeslot scheduling for UTRA TDD CDMA networks. <i>Electronics Letters</i> , 2005 , 41, 422	1.1	1
132	Coding against spreading gain optimisation of nonbinary BCH coded CDMA system. <i>Electronics Letters</i> , 2005 , 41, 816	1.1	1
131	Coded modulation assisted radial basis function aided turbo equalization for dispersive Rayleigh-fading channels. <i>IEEE Transactions on Wireless Communications</i> , 2004 , 3, 2198-2206	9.6	9
130	Improved hybrid MMSE detection for turbo-trellis-coded modulation-assisted multi-user OFDM systems. <i>Electronics Letters</i> , 2004 , 40, 1002	1.1	5
129	Radial basis function network assisted space-time equalisation for dispersive fading environments. <i>Electronics Letters</i> , 2004 , 40, 1006	1.1	9
128	. <i>IEEE Transactions on Wireless Communications</i> , 2004 , 3, 2019-2029	9.6	2
127	Effects of multipath propagation delay on uplink performance of synchronous DS-CDMA systems communicating in dispersive Rayleigh fading channels. <i>Electronics Letters</i> , 2004 , 40, 1589	1.1	
126	Genetic-algorithm-assisted multiuser detection in asynchronous CDMA communications. <i>IEEE Transactions on Vehicular Technology</i> , 2004 , 53, 1413-1422	6.8	34

125	Acquisition of m-sequences using recursive soft sequential estimation. <i>IEEE Transactions on Communications</i> , 2004 , 52, 199-204	6.9	20
124	Adaptive minimum bit error rate beamforming assisted QPSK receiver 2004 ,		6
123	Genetic algorithm assisted error probability optimisation for beamforming. <i>Electronics Letters</i> , 2004 , 40, 320	1.1	3
122	Kernel-based nonlinear beamforming construction using orthogonal forward selection with the fisher ratio class separability measure. <i>IEEE Signal Processing Letters</i> , 2004 , 11, 478-481	3.2	17
121	. <i>IEEE Transactions on Signal Processing</i> , 2004 , 52, 2092-2101	4.8	23
120	Iterative construction of reversible variable-length codes and variable-length error-correcting codes. <i>IEEE Communications Letters</i> , 2004 , 8, 671-673	3.8	21
119	Joint source-coding, channel-coding and modulation schemes for AWGN and Rayleigh fading channels. <i>Electronics Letters</i> , 2003 , 39, 1259	1.1	8
118	A multicarrier DS-CDMA system using both time-domain and frequency-domain spreading 2003 ,		5
117	Multiple antenna aided OFDM employing minimum bit error rate multiuser detection. <i>Electronics Letters</i> , 2003 , 39, 1769	1.1	35
116	2003 ,		238
115	2003 ,		498
114	Least bit error rate adaptive nonlinear equalisers for binary signalling. <i>IET Communications</i> , 2003 , 150, 29		13
113	Antenna-diversity-assisted genetic-algorithm-based multiuser detection schemes for synchronous CDMA systems. <i>IEEE Transactions on Communications</i> , 2003 , 51, 366-370	6.9	26
112	Radial basis function-assisted turbo equalization. <i>IEEE Transactions on Communications</i> , 2003 , 51, 664-675.	6.9	14
111	Performance of generalized multicarrier DS-CDMA using various chip waveforms. <i>IEEE Transactions on Communications</i> , 2003 , 51, 748-752	6.9	16
110	Optimum mode-switching-assisted constant-power single- and multicarrier adaptive modulation. <i>IEEE Transactions on Vehicular Technology</i> , 2003 , 52, 536-560	6.8	82
109	. <i>Proceedings of the IEEE</i> , 2003 , 91, 278-302	14.3	10
108	Multicarrier DS-CDMA: a multiple access scheme for ubiquitous broadband wireless communications 2003 , 41, 116-124		90

107	Reverse-link performance of synchronous DS-CDMA systems in dispersive Rician multipath fading channels. <i>Electronics Letters</i> , 2003 , 39, 1682	1.1	2
106	2002 ,		256
105	A wide-band radial basis function decision feedback equalizer-assisted burst-by-burst adaptive modem. <i>IEEE Transactions on Communications</i> , 2002 , 50, 693-697	6.9	5
104	Low complexity erasure insertion in RS-coded SFH spread-spectrum communications with partial-band interference and Nakagami-m fading. <i>IEEE Transactions on Communications</i> , 2002 , 50, 914-925	6.9	15
103	Performance of generalized multicarrier DS-CDMA over Nakagami-m fading channels. <i>IEEE Transactions on Communications</i> , 2002 , 50, 956-966	6.9	112
102	Joint-detection and interference cancellation based burst-by-burst adaptive CDMA schemes. <i>IEEE Transactions on Vehicular Technology</i> , 2002 , 51, 1479-1493	6.8	2
101	A residue number system based parallel communication scheme using orthogonal signaling. II. Multipath fading channels. <i>IEEE Transactions on Vehicular Technology</i> , 2002 , 51, 1547-1559	6.8	10
100	A residue number system based parallel communication scheme using orthogonal signaling .I. System outline. <i>IEEE Transactions on Vehicular Technology</i> , 2002 , 51, 1534-1546	6.8	18
99	Fast adaptation of fractionally spaced equalisers. <i>Electronics Letters</i> , 2002 , 38, 96	1.1	7
98	TTCM assisted genetic-algorithm aided reduced-complexity multiuser detection. <i>Electronics Letters</i> , 2002 , 38, 722	1.1	3
97	Space-time IQ-interleaved TCM and TTCM for AWGN and Rayleigh fading channels. <i>Electronics Letters</i> , 2002 , 38, 1553	1.1	9
96	Serial acquisition performance of single-carrier and multicarrier DS-CDMA over Nakagami-m fading channels. <i>IEEE Transactions on Wireless Communications</i> , 2002 , 1, 692-702	9.6	23
95	Space-time codes and concatenated channel codes for wireless communications. <i>Proceedings of the IEEE</i> , 2002 , 90, 187-219	14.3	51
94	Residue number system assisted fast frequency-hopped synchronous ultra-wideband spread-spectrum multiple-access: a design alternative to impulse radio. <i>IEEE Journal on Selected Areas in Communications</i> , 2002 , 20, 1652-1663	14.2	24
93	2002 ,		108
92	2002 ,		81
91	Adaptive minimum-BER linear multiuser detection for DS-CDMA signals in multipath channels. <i>IEEE Transactions on Signal Processing</i> , 2001 , 49, 1240-1247	4.8	83
90	Serial acquisition of DS-CDMA signals in multipath fading mobile channels. <i>IEEE Transactions on Vehicular Technology</i> , 2001 , 50, 617-628	6.8	44

89	Decision-feedback equalization using multiple-hyperplane partitioning for detecting ISI-corrupted M-ary PAM signals. <i>IEEE Transactions on Communications</i> , 2001 , 49, 760-764	6.9	8
88	Burst-by-burst adaptive turbo-coded radial basis function-assisted decision feedback equalization. <i>IEEE Transactions on Communications</i> , 2001 , 49, 1935-1945	6.9	7
87	Performance of Rake receiver assisted adaptive-modulation based CDMA over frequency selective slow Rayleigh fading channels. <i>Electronics Letters</i> , 2001 , 37, 247	1.1	18
86	Performance analysis of coded M-ary orthogonal signaling using errors-and-erasures decoding over frequency-selective fading channels. <i>IEEE Journal on Selected Areas in Communications</i> , 2001 , 19, 211-221	14.2	15
85	Genetic algorithm assisted joint multiuser symbol detection and fading channel estimation for synchronous CDMA systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2001 , 19, 985-998	14.2	68
84	Slow frequency-hopping multicarrier DS-CDMA for transmission over Nakagami multipath fading channels. <i>IEEE Journal on Selected Areas in Communications</i> , 2001 , 19, 1211-1221	14.2	21
83	Support vector machine multiuser receiver for DS-CDMA signals in multipath channels. <i>IEEE Transactions on Neural Networks</i> , 2001 , 12, 604-11		77
82	. <i>IEEE Journal on Selected Areas in Communications</i> , 2001 , 19, 999-1008	14.2	104
81	OFDM-based turbo-coded hierarchical and non-hierarchical terrestrial mobile digital video broadcasting. <i>IEEE Transactions on Broadcasting</i> , 2000 , 46, 1-22	4.7	14
80	The super-trellis structure of turbo codes. <i>IEEE Transactions on Information Theory</i> , 2000 , 46, 2212-2228	2.8	11
79	Upper-bound performance of a wide-band adaptive modem. <i>IEEE Transactions on Communications</i> , 2000 , 48, 367-369	6.9	22
78	Blind joint soft-detection assisted slow frequency-hopping multicarrier DS-CDMA. <i>IEEE Transactions on Communications</i> , 2000 , 48, 1520-1529	6.9	10
77	Adaptive modulation techniques for duplex OFDM transmission. <i>IEEE Transactions on Vehicular Technology</i> , 2000 , 49, 1893-1906	6.8	148
76	Turbo- and BCH-coded wide-band burst-by-burst adaptive H.263-assisted wireless video telephony. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2000 , 10, 1355-1363	6.4	13
75	Asymptotic Bayesian decision feedback equalizer using a set of hyperplanes. <i>IEEE Transactions on Signal Processing</i> , 2000 , 48, 3493-3500	4.8	12
74	. <i>IEEE Signal Processing Magazine</i> , 2000 , 17, 10-30	9.4	6
73	A recursive algorithm for the error probability evaluation of M-QAM. <i>IEEE Communications Letters</i> , 2000 , 4, 304-306	3.8	56
72	A Reed-Solomon coded DS-CDMA system using noncoherent M-ary orthogonal modulation over multipath fading channels. <i>IEEE Journal on Selected Areas in Communications</i> , 2000 , 18, 2240-2251	14.2	9

71	Adaptive multicarrier modulation: a convenient framework for time-frequency processing in wireless communications. <i>Proceedings of the IEEE</i> , 2000 , 88, 611-640	14.3	284
70	Interactive cellular and cordless video telephony: State-of-the-art system design principles and expected performance. <i>Proceedings of the IEEE</i> , 2000 , 88, 1388-1413	14.3	13
69	Joint channel equalisation and channel decoding. <i>Electronics Letters</i> , 1999 , 35, 1628	1.1	2
68	Latency and networking aspects of adaptive modems over slow indoors Rayleigh fading channels. <i>IEEE Transactions on Vehicular Technology</i> , 1999 , 48, 1237-1251	6.8	21
67	Interference aspects of adaptive modems over slow Rayleigh fading channels. <i>IEEE Transactions on Vehicular Technology</i> , 1999 , 48, 1527-1545	6.8	15
66	Error-rate-based power-controlled multimode H.263-assisted video telephony. <i>IEEE Transactions on Vehicular Technology</i> , 1999 , 48, 1726-1738	6.8	9
65	Overlapping M-ary frequency shift keying spread-spectrum multiple-access systems using random signal sequences. <i>IEEE Transactions on Vehicular Technology</i> , 1999 , 48, 1984-1995	6.8	18
64	Crest-factor study of MC-CDMA and OFDM 1999 ,		2
63	Orthogonal frequency-division multiplex transmission of H.263 encoded video over highly frequency-selective wireless networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1999 , 9, 701-712	6.4	15
62	Residue number system arithmetic assisted M-ary modulation. <i>IEEE Communications Letters</i> , 1999 , 3, 28-30	3.8	9
61	A Narrowband Mobile Multimedia System 1999 , 319-335		
60	An Intelligent Dual-mode Wireless Speech Transceiver 1999 , 235-250		
59	Low-complexity Wireless Speech Communications Schemes 1999 , 221-234		
58	Multi-frame packet reservation multiple access using oscillation-scaled histogram-based Markov modelling of video codecs. <i>Signal Processing: Image Communication</i> , 1998 , 12, 167-182	2.8	2
57	Bandwidth-efficient wireless multimedia communications. <i>Proceedings of the IEEE</i> , 1998 , 86, 1342-1382	14.3	41
56	Programmable H.263-based wireless video transceivers for interference-limited environments. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1998 , 8, 275-286	6.4	25
55	Non-iterative optimum super-trellis decoding of turbo codes. <i>Electronics Letters</i> , 1997 , 33, 848	1.1	4
54	Dual-mode vector-quantized low-rate cordless videophone systems for indoors and outdoors applications. <i>IEEE Transactions on Vehicular Technology</i> , 1997 , 46, 340-357	6.8	16

53	Block-run run-length coding of handwriting and bilevel graphics based on quadtree segmentation. <i>Pattern Recognition Letters</i> , 1997 , 18, 187-191	4.7	1
52	A Range of Low and High Delay CELP Speech Codecs between 8 and 4 kbits/s 1997 , 7, 37-46		
51	Optimisation of switching levels for adaptive modulation in slow Rayleigh fading. <i>Electronics Letters</i> , 1996 , 32, 1167	1.1	66
50	Demodulation level selection in adaptive modulation. <i>Electronics Letters</i> , 1996 , 32, 1751	1.1	16
49	Upper bound performance of adaptive modulation in a slow Rayleigh fading channel. <i>Electronics Letters</i> , 1996 , 32, 718	1.1	51
48	Quadtree-based reconfigurable cordless videophone systems. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1996 , 6, 225-237	6.4	13
47	A low-rate multi-level voice/video transceiver for personal communications. <i>Wireless Personal Communications</i> , 1995 , 2, 217-234	1.9	1
46	Adaptive fixed-length differential chain coding for transmission of line graphics. <i>Electronics Letters</i> , 1995 , 31, 862-863	1.1	3
45	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1995 , 5, 305-318	6.4	36
44	. <i>IEEE Transactions on Vehicular Technology</i> , 1995 , 44, 735-748	6.8	13
43	. <i>IEEE Transactions on Vehicular Technology</i> , 1994 , 43, 234-244	6.8	7
42	. <i>IEEE Transactions on Vehicular Technology</i> , 1994 , 43, 909-924	6.8	4
41	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1993 , 3, 15-26	6.4	55
40	Effects of PRMA on objective speech quality. <i>Electronics Letters</i> , 1993 , 29, 152	1.1	3
39	Packet reservation multiple access for wireless multimedia communications. <i>Electronics Letters</i> , 1993 , 29, 1178	1.1	5
38	PRMA efficiency in adaptive transceivers. <i>Electronics Letters</i> , 1993 , 29, 697	1.1	2
37	Bandwidth efficient QAM schemes for Rayleigh fading channels. <i>IEE Proceedings, Part I: Communications, Speech and Vision</i> , 1991 , 138, 169		98
36	. <i>IEEE Transactions on Vehicular Technology</i> , 1990 , 39, 327-339	6.8	29

35	Effect of cochannel interference on handover in microcellular mobile radio. <i>Electronics Letters</i> , 1989 , 25, 1329	1.1	3
34	Channel coding for satellite mobile channels. <i>International Journal of Satellite Communications and Networking</i> , 1989 , 7, 143-163		7
33	Statistical multiplexing for mitigating latency in adaptive modems		3
32	An Optimized-Hierarchy-Aided Maximum Likelihood Detector for MIMO-OFDM		11
31	Adaptive Minimum Symbol Error Rate Beamforming Assisted Receiver for Quadrature Amplitude Modulated Systems		4
30	A Differential Turbo Detection Aided Sphere Packing Modulated Space-Time Coding Scheme		4
29	Mellin Transform Based Performance Analysis of Fast Frequency Hopping Using Product Combining		3
28	Adaptive minimum bit error rate beamforming assisted receiver for wireless communications		13
27	A turbo-detection aided serially concatenated MPEG-4/TCM videophone transceiver		1
26	Burst-by-burst adaptive decision feedback equalized TCM, TCCM, BICM and BICM-ID		3
25	Reduced complexity in-phase/quadrature-phase turbo equalisation using iterative channel estimation		2
24	Broadband MC DS-CDMA using space-time and frequency-domain spreading		4
23	Uplink capacity investigations of TDD/CDMA		2
22	Wideband burst-by-burst adaptive modulation with turbo equalization and iterative channel estimation		7
21	Adaptive rate RRNS coded OFDM transmission for mobile communication channels		5
20	Concatenated space-time block codes and TCM, turbo TCM, convolutional as well as turbo codes		7
19	Comparative study of space time block codes and various concatenated turbo coding schemes		9
18	Turbo equalization of convolutional coded and concatenated space time trellis coded systems using radial basis function aided equalizers		1

17	Redundant residue number system based error correction codes	12
16	Space-time block coded adaptive modulation aided OFDM	6
15	Blind-detection assisted sub-band adaptive turbo-coded OFDM schemes	11
14	Ratio statistic test assisted residue number system based parallel communication schemes	3
13	Burst-by-burst adaptive joint detection CDMA	8
12	Residue number system based multiple code DS-CDMA systems	1
11	Upper-bound performance of a wideband burst-by-burst adaptive modem	7
10	Soft-decision redundant residue number system based error correction coding	10
9	Comparative study of turbo equalisers using convolutional codes and block-based turbo codes for GMSK modulation	1
8	Orthogonal frequency division multiplex synchronisation techniques for wireless local area networks	22
7	Power-controlled H.263-based wireless videophone performance in interference-limited scenarios	3
6	Robust H.263 video transmission over mobile channels in interference limited environments	7
5		4
4	Reduced complexity in-phase/quadrature-phase turbo equalisation using radial basis functions	1
3	Block turbo coded burst-by-burst adaptive radial basis function decision feedback equaliser assisted modems	8
2	Minimum-distance decoding of redundant residue number system codes	2
1	Hybrid genetic algorithm based detection schemes for synchronous CDMA systems	11