

L Hanzo

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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	2003,		498
249	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
248	2002,		256
247	2003,		238
246	Adaptive modulation techniques for duplex OFDM transmission. <i>IEEE Transactions on Vehicular Technology</i> , 2000 , 49, 1893-1906	6.8	148
245	Antenna Selection in Spatial Modulation Systems. <i>IEEE Communications Letters</i> , 2013 , 17, 521-524	3.8	141
244	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
243	2011,		118
242	Performance of generalized multicarrier DS-CDMA over Nakagami-m fading channels. <i>IEEE Transactions on Communications</i> , 2002 , 50, 956-966	6.9	112
241	2002,		108
240	. <i>IEEE Journal on Selected Areas in Communications</i> , 2001 , 19, 999-1008	14.2	104
239	On the MIMO channel capacity of multidimensional signal sets. <i>IEEE Transactions on Vehicular Technology</i> , 2006 , 55, 528-536	6.8	101
238	Bandwidth efficient QAM schemes for Rayleigh fading channels. <i>IEE Proceedings, Part I: Communications, Speech and Vision</i> , 1991 , 138, 169		98
237	Multicarrier DS-CDMA: a multiple access scheme for ubiquitous broadband wireless communications 2003 , 41, 116-124		90
236	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
235	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
234	2002,		81

233	2006,		80
232	Support vector machine multiuser receiver for DS-CDMA signals in multipath channels. <i>IEEE Transactions on Neural Networks</i> , 2001 , 12, 604-11		77
231	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
230	Optimisation of switching levels for adaptive modulation in slow Rayleigh fading. <i>Electronics Letters</i> , 1996 , 32, 1167	1.1	66
229	Effects of Channel Estimation on Spatial Modulation. <i>IEEE Signal Processing Letters</i> , 2012 , 19, 805-808	3.2	61
228	Adaptive minimum bit-error rate beamforming. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 341-348	9.6	60
227	A recursive algorithm for the error probability evaluation of M-QAM. <i>IEEE Communications Letters</i> , 2000 , 4, 304-306	3.8	56
226	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1993 , 3, 15-26	6.4	55
225	Space-time codes and concatenated channel codes for wireless communications. <i>Proceedings of the IEEE</i> , 2002 , 90, 187-219	14.3	51
224	Upper bound performance of adaptive modulation in a slow Rayleigh fading channel. <i>Electronics Letters</i> , 1996 , 32, 718	1.1	51
223	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
222	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
221	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
220	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
219	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
218	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
217	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
216	Bandwidth-efficient wireless multimedia communications. <i>Proceedings of the IEEE</i> , 1998 , 86, 1342-1382	14.3	41

215	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
214	Spatial Modulation Aided Zero-Padded Single Carrier Transmission for Dispersive Channels. <i>IEEE Transactions on Communications</i> , 2013 , 61, 2318-2329	6.9	37
213	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1995 , 5, 305-318	6.4	36
212	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
211	Multiple antenna aided OFDM employing minimum bit error rate multiuser detection. <i>Electronics Letters</i> , 2003 , 39, 1769	1.1	35
210	Genetic-algorithm-assisted multiuser detection in asynchronous CDMA communications. <i>IEEE Transactions on Vehicular Technology</i> , 2004 , 53, 1413-1422	6.8	34
209	. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 3607-3617	6.8	31
208	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
207	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
206	. <i>IEEE Transactions on Vehicular Technology</i> , 1990 , 39, 327-339	6.8	29
205	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
204	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
203	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
202	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
201	Reduced-Complexity Iterative-Detection-Aided Generalized Space-Time Shift Keying. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 3656-3664	6.8	25
200	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
199	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
198	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

197	Soft-Decision Star-QAM Aided BICM-ID. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 169-172	3.2	23
196	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
195	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
194	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
193	. <i>IEEE Transactions on Signal Processing</i> , 2004 , 52, 2092-2101	4.8	23
192	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
191	Upper-bound performance of a wide-band adaptive modem. <i>IEEE Transactions on Communications</i> , 2000 , 48, 367-369	6.9	22
190	Orthogonal frequency division multiplex synchronisation techniques for wireless local area networks		22
189	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
188	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
187	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
186	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
185	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
184	Fully complex-valued radial basis function networks: Orthogonal least squares regression and classification. <i>Neurocomputing</i> , 2008 , 71, 3421-3433	5.4	20
183	Acquisition of m-sequences using recursive soft sequential estimation. <i>IEEE Transactions on Communications</i> , 2004 , 52, 199-204	6.9	20
182	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
181	Iterative Irregular Sphere Detection in High-Rate Downlink SDMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 3855-3861	6.8	19
180	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

179	Distributed Turbo Trellis Coded Modulation for Cooperative Communications 2009 ,		19
178	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
177	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
176	Joint Maximum Likelihood Channel Estimation and Data Detection for MIMO Systems 2007 ,		18
175	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
174	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
173	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
172	2008 ,		18
171	. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 1571-1577	6.8	17
170	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
169	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
168	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
167	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
166	Demodulation level selection in adaptive modulation. <i>Electronics Letters</i> , 1996 , 32, 1751	1.1	16
165	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
164	Performance of generalized multicarrier DS-SS using various chip waveforms. <i>IEEE Transactions on Communications</i> , 2003 , 51, 748-752	6.9	16
163	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
162	Adaptive minimum bit error rate beamforming assisted receiver for QPSK wireless communication 2005 , 15, 545-567		15

161	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
160	Interference aspects of adaptive modems over slow Rayleigh fading channels. <i>IEEE Transactions on Vehicular Technology</i> , 1999 , 48, 1527-1545	6.8	15
159	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
158	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
157	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
156	Burst-by-burst adaptive decision feedback equalized TCM, TTCM, 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
155	Radial basis function-assisted turbo equalization. <i>IEEE Transactions on Communications</i> , 2003 , 51, 664-676	6.9	14
154	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
153	Unveiling Near-Capacity Code Design: The Realization of Shannon's Communication Theory for MIMO Channels 2008 ,		13
152	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
151	Adaptive minimum bit error rate beamforming assisted receiver for wireless communications		13
150	Least bit error rate adaptive nonlinear equalisers for binary signalling. <i>IET Communications</i> , 2003 , 150, 29		13
149	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
148	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
147	Quadtree-based reconfigurable cordless videophone systems. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1996 , 6, 225-237	6.4	13
146	. <i>IEEE Transactions on Vehicular Technology</i> , 1995 , 44, 735-748	6.8	13
145	Distributed Multiple-Component Turbo Codes for Cooperative Hybrid ARQ. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 599-602	3.2	12
144	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

143	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
142	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
141	Asymptotic Bayesian decision feedback equalizer using a set of hyperplanes. <i>IEEE Transactions on Signal Processing</i> , 2000 , 48, 3493-3500	4.8	12
140	Redundant residue number system based error correction codes		12
139	. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 1228-1240	6.8	11
138	Iterative Decoding Convergence and Termination of Serially Concatenated Codes. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 216-224	6.8	11
137	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
136	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
135	An Optimized-Hierarchy-Aided Maximum Likelihood Detector for MIMO-OFDM		11
134	Joint Iterative Decoding of Trellis-Based VQ and TCM. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 1327-1336	9.6	11
133	Clustering-Based Symmetric Radial Basis Function Beamforming. <i>IEEE Signal Processing Letters</i> , 2007 , 14, 589-592	3.2	11
132	Iterative MIMO Detection for Rank-Deficient Systems. <i>IEEE Signal Processing Letters</i> , 2006 , 13, 699-702	3.2	11
131	The super-trellis structure of turbo codes. <i>IEEE Transactions on Information Theory</i> , 2000 , 46, 2212-2228	2.8	11
130	Blind-detection assisted sub-band adaptive turbo-coded OFDM schemes		11
129	Hybrid genetic algorithm based detection schemes for synchronous CDMA systems		11
128	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
127	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
126	. <i>Proceedings of the IEEE</i> , 2003 , 91, 278-302	14.3	10

125	Blind joint soft-detection assisted slow frequency-hopping multicarrier DS-CDMA. <i>IEEE Transactions on Communications</i> , 2000 , 48, 1520-1529	6.9	10
124	Soft-decision redundant residue number system based error correction coding		10
123	On the Union Bounds of Self-Concatenated Convolutional Codes. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 754-757	3.2	9
122	Distributed Self-Concatenated Coding for Cooperative Communication. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 3097-3104	6.8	9
121	Channel Impulse Response Tap Prediction for Time-Varying Wireless Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 2767-2769	6.8	9
120	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
119	Radial basis function network assisted space-time equalisation for dispersive fading environments. <i>Electronics Letters</i> , 2004 , 40, 1006	1.1	9
118	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
117	Space-time IQ-interleaved TCM and TCM for AWGN and Rayleigh fading channels. <i>Electronics Letters</i> , 2002 , 38, 1553	1.1	9
116	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
115	Comparative study of space time block codes and various concatenated turbo coding schemes		9
114	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
113	Residue number system arithmetic assisted M-ary modulation. <i>IEEE Communications Letters</i> , 1999 , 3, 28-30	3.8	9
112	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
111	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
110	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
109	Time- and Frequency-Domain-Spread Generalized Multicarrier DS-CDMA 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
108	Layered steered space-time codes and their capacity. <i>Electronics Letters</i> , 2007 , 43, 680	1.1	8

107	On the uplink performance of LAS-CDMA. <i>IEEE Transactions on Wireless Communications</i> , 2006 , 5, 1187-1196	1.1	8
106	Joint source-coding, channel-coding and modulation schemes for AWGN and Rayleigh fading channels. <i>Electronics Letters</i> , 2003 , 39, 1259	1.1	8
105	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
104	Burst-by-burst adaptive joint detection CDMA		8
103	Block turbo coded burst-by-burst adaptive radial basis function decision feedback equaliser assisted modems		8
102	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
101	Particle swarm optimisation aided semi-blind joint maximum likelihood channel estimation and data detection for MIMO systems 2009 ,		7
100	Iterative Multiuser Minimum Symbol Error Rate Beamforming Aided QAM Receiver. <i>IEEE Signal Processing Letters</i> , 2008 , 15, 301-304	3.2	7
99	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
98	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
97	Fast adaptation of fractionally spaced equalisers. <i>Electronics Letters</i> , 2002 , 38, 96	1.1	7
96	Wideband burst-by-burst adaptive modulation with turbo equalization and iterative channel estimation		7
95	Concatenated space-time block codes and TCM, turbo TCM, convolutional as well as turbo codes		7
94	Upper-bound performance of a wideband burst-by-burst adaptive modem		7
93	Robust H.263 video transmission over mobile channels in interference limited environments		7
92	. <i>IEEE Transactions on Vehicular Technology</i> , 1994 , 43, 234-244	6.8	7
91	Channel coding for satellite mobile channels. <i>International Journal of Satellite Communications and Networking</i> , 1989 , 7, 143-163		7
90	Evolutionary Algorithm Aided Interleaver Design for Serially Concatenated Codes. <i>IEEE Transactions on Communications</i> , 2011 , 59, 1753-1758	6.9	6

89	Particle Swarm Optimisation Aided MIMO Transceiver Designs. <i>Adaptation, Learning, and Optimization</i> , 2010 , 487-511	0.7	6
88	Fuzzy-logic tuned constant modulus algorithm and soft decision-directed scheme for blind equalisation 2010 , 20, 846-859		6
87	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
86	Iterative Decoding for Redistributing Energy Consumption in Wireless Sensor Networks 2008 ,		6
85	Space-time coding for high-throughput interleave division multiplexing aided multi-source co-operation. <i>Electronics Letters</i> , 2008 , 44, 367	1.1	6
84	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
83	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
82	Adaptive minimum bit error rate beamforming assisted QPSK receiver 2004 ,		6
81	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
80	. <i>IEEE Signal Processing Magazine</i> , 2000 , 17, 10-30	9.4	6
79	Space-time block coded adaptive modulation aided OFDM		6
78	Reduced-complexity Maximum-Likelihood Detection in Multiple-antenna-aided Multicarrier Systems 2006 , 21-28		6
77	Improved MMSE Vector Precoding Based on the MBER Criterion 2009 ,		5
76	. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 2322-2330	6.8	5
75	A multicarrier DS-CDMA system using both time-domain and frequency-domain spreading 2003 ,		5
74	Improved hybrid MMSE detection for turbo-trellis-coded modulation-assisted multi-user OFDM systems. <i>Electronics Letters</i> , 2004 , 40, 1002	1.1	5
73	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
72	Adaptive rate RRNS coded OFDM transmission for mobile communication channels		5

71	Packet reservation multiple access for wireless multimedia communications. <i>Electronics Letters</i> , 1993 , 29, 1178	1.1	5
70	Pilot symbol assisted coding. <i>Electronics Letters</i> , 2009 , 45, 518	1.1	4
69	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
68	. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 1387-1395	6.8	4
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