

Pooi-Yuen Kam

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.

202
papers

1,668
citations

21
h-index

31
g-index

284
ext. papers

2,215
ext. citations

4.2
avg, IF

4.98
L-index

#	Paper	IF	Citations
202	Joint ML/MAP Estimation of the Frequency and Phase of a Single Sinusoid With Wiener Carrier Phase Noise. <i>IEEE Transactions on Signal Processing</i> , 2021 , 1-1	4.8	2
201	A Closed-Form Approximate Expression for the BEP of BDPSK Signal in Log-Normal SISO FSO Communication System. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	0
200	Generalized Mutual Information Analysis for BICM-8QAM With Residual Phase Noise. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	1
199	An Optimum Signal Detection Approach to the Joint ML Estimation of Timing Offset, Carrier Frequency and Phase Offset for Coherent Optical OFDM. <i>Journal of Lightwave Technology</i> , 2021 , 39, 1629-1644	4	1
198	Maximum-Likelihood, Magnitude-Based, Amplitude and Noise Variance Estimation. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 414-418	3.2	4
197	Channel Path Identification in mmWave Systems With Large-Scale Antenna Arrays. <i>IEEE Transactions on Communications</i> , 2020 , 68, 5549-5562	6.9	7
196	M-APSK Constellation Optimization in the Presence of Phase Reference Error. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 2154-2158	5.9	1
195	On-Off Controlled Wireless Transmission via Block-Acceptance Scheme Based on Measured Channel Gain Achievable Diversity Order. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1175-1178	5.9	
194	Joint timing and frequency synchronization in coherent optical OFDM systems. <i>Frontiers of Optoelectronics</i> , 2019 , 12, 4-14	2.8	2
193	Backscatter-NOMA: A Symbiotic System of Cellular and Internet-of-Things Networks. <i>IEEE Access</i> , 2019 , 7, 20000-20013	3.5	87
192	A Refinement to the Viterbi-Viterbi Carrier Phase Estimator and an Extension to the Case With a Wiener Carrier Phase Process. <i>IEEE Access</i> , 2019 , 7, 78170-78184	3.5	5
191	A Semi-Blind Receiver for Ambient Backscatter Communications with MPSK RF Source 2019 ,		3
190	Mitigation of the Background Radiation for Free-Space Optical IM/DD Systems. <i>IEEE Communications Letters</i> , 2018 , 22, 292-295	3.8	8
189	Carrier Frequency Offset Estimation for CO-OFDM: The Matched-Filter Approach. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2955-2965	4	2
188	A Tight Lower Bound on the Gaussian Q -Function With a Simple Inversion Algorithm, and an Application to Coherent Optical Communications. <i>IEEE Communications Letters</i> , 2018 , 22, 1358-1361	3.8	4
187	Nonlinear phase noise tolerance for coherent optical systems using soft-decision-aided ML carrier phase estimation enhanced with constellation partitioning. <i>Optics Communications</i> , 2018 , 409, 45-51	2	
186	Enhanced adaptive DA-ML carrier phase estimator and its application to accurate laser linewidth and SNR estimation. <i>Optics Express</i> , 2018 , 26, 14817-14831	3.3	1

185	SWISS: Spectrum weighted identification of signal sources for mmWave systems 2018 ,		1
184	A Lower Bound on Secrecy Capacity for MIMO Wiretap Channel Aided by a Cooperative Jammer With Channel Estimation Error. <i>IEEE Access</i> , 2017 , 5, 4636-4645	3.5	16
183	Impact of Pointing Errors on the Error Performance of Intersatellite Laser Communications. <i>Journal of Lightwave Technology</i> , 2017 , 35, 3082-3091	4	13
182	Secure outage probability over fading channels 2017 ,		3
181	Soft-Decision-Aided, Smoothness-Constrained Channel Estimation over Time-Varying Fading Channels With No Channel Model Information. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 73-86	9.6	4
180	Efficient Blind Carrier Frequency Offset Estimation for Coherent Optical OFDM Systems 2017 ,		1
179	Efficient joint timing and frequency synchronization algorithm for coherent optical OFDM systems. <i>Optics Express</i> , 2016 , 24, 19969-77	3.3	18
178	Performance Optimization of M-APSK in Awgn and Oscillator Phase Noise with Annular-Sector Detection 2016 ,		1
177	Tight bounds and invertible average error probability expressions over composite fading channels. <i>Journal of Communications and Networks</i> , 2016 , 18, 182-189	4.1	3
176	Performance of laser inter-satellite links with dynamic beam waist adjustment. <i>Optics Express</i> , 2016 , 24, 11950-60	3.3	19
175	Optimum Detection of Two-Dimensional Carrier Modulations With Linear Phase Noise Using Received Amplitude and Phase Information and Performance Analysis. <i>Journal of Lightwave Technology</i> , 2016 , 34, 2439-2451	4	6
174	Robust Data Detection for the Photon-Counting Free-Space Optical System With Implicit CSI Acquisition and Background Radiation Compensation. <i>Journal of Lightwave Technology</i> , 2016 , 34, 1120-1132	4.32	11
173	Blind Carrier Frequency Offset Estimation for Coherent Optical OFDM Systems 2016 ,		1
172	Efficient symbol detection for the FSO IM/DD system with automatic and adaptive threshold adjustment: The multi-level PAM case 2015 ,		2
171	Optimum Linewidth of Spectrum-Sliced Incoherent Light Source Using a Gain-Saturated Semiconductor Optical Amplifier. <i>Journal of Lightwave Technology</i> , 2015 , 33, 3744-3750	4	1
170	Robust Decoding of Concatenated RS-Convolutional Codes over the Quasi-Static Fading Channel with No Explicit CSI Acquisition 2015 ,		1
169	On the LLR Metrics for DPSK Modulations Over Two-Symbol Observation Intervals for the Flat Rician Fading Channel. <i>IEEE Transactions on Communications</i> , 2015 , 63, 4950-4963	6.9	4
168	Performance Investigation of Pilot-Aided Log-Likelihood Ratios for LDPC Coded CO-OFDM. <i>Journal of Lightwave Technology</i> , 2015 , 33, 1961-1970	4	2

167	A Robust GLRT Receiver With Implicit Channel Estimation and Automatic Threshold Adjustment for the Free Space Optical Channel with IM/DD. <i>Journal of Lightwave Technology</i> , 2014 , 32, 369-383	4	32
166	Carrier recovery in coherent receiver of optical orthogonal frequency division multiplexing system. <i>Frontiers of Optoelectronics</i> , 2014 , 7, 348-358	2.8	
165	Soft-Decision-Aided Channel Estimation Over the Flat-Fading Channel, and an Application to Iterative Decoding Using an Example LTE Turbo Code. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 6027-6040	9.6	5
164	Adaptive Maximum Likelihood Sequence Detection for QPSK Coherent Optical Communication System. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 583-586	2.2	6
163	Simple, Unified, and Accurate Prediction of Error Probability for Higher Order MPSK/MDPSK With Phase Noise in Optical Communications. <i>Journal of Lightwave Technology</i> , 2014 , 32, 4133-4142	4	4
162	Pilot-Tone Assisted Log-Likelihood Ratio for LDPC Coded CO-OFDM System. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1577-1580	2.2	7
161	Efficient direct detection of M-PAM sequences with implicit CSI acquisition for the FSO system 2014 ,		7
160	Pilot-aided Log-likelihood Ratio for LDPC coded M-QAM CO-OFDM System 2014 ,		2
159	Feedback Power Control with Bit Error Outage Probability QoS Measure on the Rayleigh Fading Channel. <i>IEEE Transactions on Communications</i> , 2013 , 61, 1621-1631	6.9	7
158	An All-Optical Modulation Format Conversion for 8QAM Based on FWM in HNLF. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 327-330	2.2	21
157	Time-Domain Blind ICI Mitigation for Non-Constant Modulus Format in CO-OFDM. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 2490-2493	2.2	13
156	A Low-Complexity, Low-Cycle-Slip-Probability, Format-Independent Carrier Estimator with Adaptive Filter Length. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3806-3812	4	4
155	On Decision Aided Carrier Phase and Frequency Offset Estimation in Coherent Optical Receivers. <i>Journal of Lightwave Technology</i> , 2013 , 31, 2055-2069	4	28
154	Explicit, closed-form performance analysis in fading via new bound on Gaussian Q-function 2013 ,		3
153	Spectrum Sensing for Digital Primary Signals in Cognitive Radio: A Bayesian Approach for Maximizing Spectrum Utilization. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 1774-1782	9.6	23
152	Pilot-Aided Log-Likelihood Ratio for LDPC Coded MPSK-OFDM Transmission. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 594-597	2.2	3
151	Phase-Based, Time-Domain Estimation of the Frequency and Phase of a Single Sinusoid in AWGN The Role and Applications of the Additive Observation Phase Noise Model. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 3175-3188	2.8	17
150	Full-Range Pilot-Assisted Frequency Offset Estimation for OFDM Systems 2013 ,		3

149	A performance investigation of correlation-based and pilot-tone-assisted frequency offset compensation method for CO-OFDM. <i>Optics Express</i> , 2013 , 21, 22847-53	3.3	2
148	Soft-Decision-Aided, Maximum-Likelihood Carrier Phase Estimation for Coherent Optical QAM. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3443-3452	4	8
147	Lower Bound on Averages of the Product of L Gaussian Q-Functions over Nakagami-m Fading 2013 ,		2
146	Performance of Adaptive Maximum Likelihood Sequence Detection with Nonlinear Phase Noise 2013 ,		1
145	Adaptive Maximum Likelihood Sequence Detection in 100-Gb/s Coherent Optical Communication Systems 2013 ,		2
144	Pre-distortion versus post-equalization for IQ mismatch compensation in CO-OFDM 2012 ,		2
143	Log-likelihood metric for LDPC coded BDPSK-OFDM transmission 2012 ,		1
142	. <i>IEEE Transactions on Communications</i> , 2012 , 60, 3342-3352	6.9	5
141	An automatic step-size adjustment algorithm for LMS adaptive filters, and an application to channel estimation. <i>Physical Communication</i> , 2012 , 5, 280-286	2.2	4
140	Sample-Autocorrelation-Function-Based Frequency Estimation of a Single Sinusoid in AWGN 2012 ,		2
139	The LLR Metric for q-ary LDPC Codes with MPSK Modulation over Rayleigh Channels with Imperfect CSI. <i>IEEE Transactions on Communications</i> , 2012 , 60, 1793-1799	6.9	3
138	Performance analysis of coherent optical 8-star QAM systems using decision-aided maximum likelihood phase estimation. <i>Optics Express</i> , 2012 , 20, 9302-11	3.3	6
137	A complex-weighted, decision-aided, maximum-likelihood carrier phase and frequency-offset estimation algorithm for coherent optical detection. <i>Optics Express</i> , 2012 , 20, 20102-14	3.3	9
136	Experiment on Coherent Optical RZ 8-Star QAM Systems Using Decision-Aided Maximum Likelihood Phase Estimation. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 2139-2142	2.2	
135	Decision-Aided Joint Compensation of Transmitter IQ Mismatch and Phase Noise for Coherent Optical OFDM. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1066-1068	2.2	6
134	Decision-Aided, Pilot-Aided, Decision-Feedback Phase Estimation for Coherent Optical OFDM Systems. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 2067-2069	2.2	20
133	Performance of Decision-Aided Maximum-Likelihood Carrier Phase Estimation with Frequency Offset 2012 ,		2
132	Phase Estimation in Coherent Optical Fiber Communication Systems with Advanced Modulation Formats 2012 ,		1

131	Maximum likelihood sequence detection in laser phase noise-impaired coherent optical systems. <i>Optics Express</i> , 2011 , 19, 22600-6	3.3	6
130	On the Performance of Packet ARQ Schemes in Rayleigh Fading: The Role of Receiver Channel State Information and Its Accuracy. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 704-709	6.8	4
129	A Performance Investigation of Adaptive Phase Estimations in Coherent Optical Communications. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 462-464	2.2	4
128	Bayesian Spectrum Sensing for Digitally Modulated Primary Signals in Cognitive Radio 2011 ,		5
127	New Exponential Lower Bounds on the Gaussian Q-Function via Jensen's Inequality 2011 ,		19
126	ARQ with Packet-Error-Outage-Probability QoS Measure 2011 ,		1
125	Decision-aided joint compensation of channel distortion and transmitter IQ imbalance for coherent optical OFDM 2011 ,		4
124	6-GHz Radio-Over-Fiber Upstream Transmission Using a Directly Modulated RSOA. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1730-1732	2.2	2
123	Study on the Performance of Decision-Aided Maximum Likelihood Phase Estimation with a Forgetting Factor 2011 ,		1
122	Instantaneous Symbol Error Outage Probability over Fading Channels with Imperfect Channel State Information 2010 ,		6
121	Improved Chirp Parameter Estimation Using Signal Recovery Method 2010 ,		1
120	Pilot-Assisted Decision-Aided Maximum-Likelihood Phase Estimation in Coherent Optical Phase-Modulated Systems With Nonlinear Phase Noise. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 380-382	2.2	22
119	Dual-Stage Cascaded Frequency Offset Estimation for Digital Coherent Receivers. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 401-403	2.2	13
118	Bit-error rate performance of coherent optical M-ary PSK/QAM using decision-aided maximum likelihood phase estimation. <i>Optics Express</i> , 2010 , 18, 12088-103	3.3	32
117	Decision-Aided Carrier Phase Estimation for Coherent Optical Communications. <i>Journal of Lightwave Technology</i> , 2010 , 28, 1597-1607	4	80
116	Optimal Antenna Deployment for Capacity Maximization in a MIMO Rayleigh Fading Channel 2010 ,		1
115	Performance Analysis and Computational Complexity Comparison of Sequence Detection Receivers With No Explicit Channel Estimation. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 2625-2631	6.8	12
114	New representations and bounds for the generalized marcum Q-function via a geometric approach, and an application. <i>IEEE Transactions on Communications</i> , 2010 , 58, 157-169	6.9	13

113	Differential modulation for decode-and-forward multiple relay systems. <i>IEEE Transactions on Communications</i> , 2010 , 58, 189-199	6.9	16
112	Frequency Offset Estimation using a Kalman Filter in Coherent Optical Phase-Shift Keying Systems 2010 ,		9
111	Experimental Demonstration of Decision-Aided Maximum Likelihood Phase Estimation in 8-Channel 42.8-Gbit/s DWDM Coherent PolMux-QPSK System 2010 ,		1
110	Impact of Imperfect Channel State Information on ARQ Schemes over Rayleigh Fading Channels 2009 ,		8
109	Log-Likelihood Ratios for LDPC Codes with Pilot-Symbol-Assisted BPSK Transmission over Flat Rayleigh Fading Channels 2009 ,		1
108	Goodput-Optimal Rate Adaptation with Imperfect Channel State Information 2009 ,		2
107	A novel automatic step-size adjustment approach in the LMS algorithm 2009 ,		1
106	Design of MAC with cooperative spectrum sensing in ad hoc cognitive radio networks 2009 ,		1
105	Sequence detection for MPSK/MQAM with adaptive phase tracking. <i>Physical Communication</i> , 2009 , 2, 217-227	2.2	4
104	Space-time trellis codes over rapid rayleigh fading channels with channel estimation-part ii: performance analysis and code design for non-identical channels. <i>IEEE Transactions on Communications</i> , 2009 , 57, 343-347	6.9	9
103	Performance analysis of orthogonal space-time block codes over time-selective channels, and applications to code design of Gi systems. <i>IEEE Transactions on Communications</i> , 2009 , 57, 707-715	6.9	1
102	On the Mutual Information Distribution of MIMO Rician Fading Channels. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1453-1462	6.9	13
101	A simple bit error probability analysis for square QAM in rayleigh fading with channel estimation. <i>IEEE Transactions on Communications</i> , 2009 , 57, 2193-2197	6.9	2
100	Power Control for MIMO Diversity Systems With Nonidentical Rayleigh Fading. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 998-1003	6.8	3
99	Cutoff Rate of MIMO Systems in Rayleigh Fading Channels With Imperfect CSIR and Finite Frame Error Probability. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 3292-3300	6.8	1
98	Log-Likelihood Ratios for LDPC Codes with Pilot-Symbol-Assisted BPSK Transmission over the Noncoherent Channel 2009 ,		3
97	Decision-aided maximum likelihood detection in coherent optical phase-shift-keying system. <i>Optics Express</i> , 2009 , 17, 703-15	3.3	35
96	Laser Linewidth Tolerance of Decision-Aided Maximum Likelihood Phase Estimation in Coherent Optical M-QAM PSK and QAM Systems. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1075-1077	2.2	42

95	Parallel Implementation of Decision-Aided Maximum-Likelihood Phase Estimation in Coherent M-ary Phase-Shift Keying Systems. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1471-1473	2.2	9
94	Improved, Approximate, Time-Domain ML Estimators of Chirp Signal Parameters and Their Performance Analysis. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 1260-1272	4.8	24
93	Weighted phase averager for frequency estimation of a noisy single sinusoid: Application of the observation phase noise model 2009 ,		1
92	Adaptive Sequence Detection for MPSK/MQAM with Unknown Carrier Phase Characteristics 2009 ,		1
91	A Mutual Information Approach for Comparing LLR Metrics for Iterative Decoders 2009 ,		2
90	2009 ,		17
89	Orthogonal Space-Time Block Codes in Vehicular Environments: Optimum Receiver Design and Performance Analysis. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2009 , 2009,	3.2	14
88	Block Length Effect of Decision-Aided Maximum Likelihood Phase Estimation in Coherent Optical Communication Systems 2009 ,		3
87	Computing and bounding the first-order Marcum Q-function: a geometric approach. <i>IEEE Transactions on Communications</i> , 2008 , 56, 1101-1110	6.9	13
86	A symbol-by-symbol channel estimation receiver for space-time block coded systems and its performance analysis on the nonselective rayleigh fading channel. <i>IEEE Transactions on Communications</i> , 2008 , 56, 2116-2124	6.9	5
85	Outage Probability of Rician Fading Relay Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 2648-2652	6.8	41
84	Cooperative space-time block coding with amplify-and-forward strategy: Exact bit error probability and adaptive forwarding schemes. <i>Physical Communication</i> , 2008 , 1, 209-220	2.2	1
83	Kalman Estimation of Single-Tone Parameters and Performance Comparison With MAP Estimator. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 4508-4511	4.8	2
82	Exact phase noise model for single-tone frequency estimation in noise. <i>Electronics Letters</i> , 2008 , 44, 937-938	1.1	5
81	Exact phase noise model and its application to linear minimum variance estimation of frequency and phase of a noisy sinusoid 2008 ,		2
80	Improved weighted phase averager for frequency estimation of single sinusoid in noise. <i>Electronics Letters</i> , 2008 , 44, 247	1.1	8
79	Linear Estimation of the Frequency and Phase of a Noisy Sinusoid. <i>IEEE Vehicular Technology Conference</i> , 2008 ,	0.1	1
78	Optimal transmission strategies for rayleigh fading relay channels. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 618-628	9.6	17

77	Effect of Doppler shift on performance of binary DPSK over fast Rician fading channels with diversity reception 2008 ,		2
76	A Decision-Feedback Channel Estimation Receiver for Independent Nonidentical Rayleigh Fading Channels. <i>IEEE Vehicular Technology Conference</i> , 2008 ,	0.1	1
75	LLR metrics for LDPC codes with quadrature differential PSK transmission, and their performances 2008 ,		3
74	Log-Likelihood Metrics Based on Two-Symbol-Interval Observations for LDPC Codes with BDPSK Transmission 2008 ,		8
73	An Improved Doppler Parameter Estimator for Synthetic Aperture Radar. <i>Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium</i> , 2008 , 4, 201-206		2
72	Space-Time FSK: An Implicit Pilot Symbol Assisted Modulation Scheme. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 2602-2611	9.6	3
71	Non-Coherent Detection for Amplify-and-Forward Relay Systems in a Rayleigh Fading Environment 2007 ,		22
70	LDPC Codes with BDPSK and Differential Detection Over Flat Rayleigh Fading Channels 2007 ,		6
69	Performance of Differentially Detected DPSK Over Nonselective Rayleigh Fading Channels With Maximal Ratio Combining and Multiple Cochannel Interferers. <i>IEEE Transactions on Communications</i> , 2007 , 55, 133-141	6.9	2
68	Analysis of Differential Orthogonal Space-Time Block Codes Over Semi-Identical MIMO Fading Channels. <i>IEEE Transactions on Communications</i> , 2007 , 55, 282-291	6.9	5
67	Performance of Optimum and Suboptimum Combining Diversity Reception for Binary and Quadrature DPSK Over Independent, Nonidentical Rayleigh Fading Channels. <i>IEEE Transactions on Communications</i> , 2007 , 55, 887-894	6.9	6
66	Space-Time Trellis Codes Over Rapid Rayleigh Fading Channels With Channel Estimation---Part I: Receiver Design and Performance Analysis. <i>IEEE Transactions on Communications</i> , 2007 , 55, 1640-1644	6.9	6
65	Generalized Quadratic Receivers for Unitary Space-Time Modulation Over Rayleigh Fading Channels. <i>IEEE Transactions on Communications</i> , 2007 , 55, 1940-1950	6.9	1
64	Generic Exponential Bounds on the Generalized Marcum Q-Function via the Geometric Approach 2007 ,		8
63	Bit Error Performance of Orthogonal Space-Time Block Codes over Time-Selective Channel 2007 ,		1
62	On the Performance of Distributed Space-Time Block Coding Over Nonidentical Ricean Channels and the Optimum Power Allocation 2007 ,		2
61	MAP/ML Estimation of the Frequency and Phase of a Single Sinusoid in Noise. <i>IEEE Transactions on Signal Processing</i> , 2007 , 55, 834-845	4.8	59
60	Averages of the product of two Gaussian Q-functions over fading statistics and applications. <i>IEEE Communications Letters</i> , 2007 , 11, 58-60	3.8	26

59	Closed-Form Performance of MFSK Signals with Diversity Reception Over Non-Identical Fading Channels 2007 ,		1
58	Transmit Antenna Selection for Space-Time Block Coded Systems with Channel Estimation 2006 ,		3
57	Simple Tight Exponential Bounds on the First-Order Marcum Q-Function via the Geometric Approach 2006 ,		6
56	Computing and Bounding the Generalized Marcum Q-Function via a Geometric Approach 2006 ,		18
55	WLC10-1: Generic Exponential Bounds and Erfc-Bounds on the Marcum Q-Function via the Geometric Approach. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		2
54	SPC09-2: ML Estimation of the Frequency and Phase in Noise. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		3
53	Outage-Optimal Transmission Strategies for Rayleigh Fading Relay Channels 2006 ,		1
52	Outage Probability of Rician Fading Relay Channels 2006 ,		3
51	A Blind Method Towards Performance Improvement of High Performance TCP with Random Losses. <i>Lecture Notes in Computer Science</i> , 2006 , 49-61	0.9	0
50	Bit error probability for orthogonal space-time block codes with differential detection 2005 ,		1
49	New tight bounds on the pairwise error probability for unitary space-time modulations. <i>IEEE Communications Letters</i> , 2005 , 9, 289-291	3.8	3
48	. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 192-201	9.6	3
47	An adaptive coherent receiver for MPSK/MDPSK over the nonselective Rayleigh fading channel with unknown characteristics. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 2621-2628	9.6	
46	Improved signal constellations for differential unitary space-time modulations with more than two transmit antennas. <i>IEEE Communications Letters</i> , 2005 , 9, 7-9	3.8	1
45	Bit-error probability for orthogonal space-time block codes with differential detection. <i>IEEE Transactions on Communications</i> , 2005 , 53, 1795-1798	6.9	4
44	Technique for analysing error probability of \square -wedge-shaped decision region. <i>Electronics Letters</i> , 2005 , 41, 283	1.1	3
43	Improved signal constellations for differential unitary space-time modulations with more than two transmit antennas. <i>IEEE Communications Letters</i> , 2005 , 9, 7-9	3.8	6
42	A new class of signal constellations for differential unitary space-time modulation (DUSTM). <i>IEEE Communications Letters</i> , 2004 , 8, 1-3	3.8	14

41	Approximate bit error probability analysis of 2PSK and 4PSK with partially coherent, symbol-by-symbol detection in carrier phase noise. <i>IET Communications</i> , 1999 , 146, 120		
40	Tight bounds on the bit-error probabilities of 2DPSK and 4DPSK in nonselective Rician fading. <i>IEEE Transactions on Communications</i> , 1998 , 46, 860-862	6.9	2
39	Adaptive symbol-by-symbol reception of MPSK on the Gaussian channel with unknown carrier phase characteristics. <i>IEEE Transactions on Communications</i> , 1998 , 46, 1275-1279	6.9	12
38	Analysis of open-loop tanlock carrier recovery for BPSK. <i>Electronics Letters</i> , 1997 , 33, 443	1.1	0
37	Bit-error probabilities of 2 and 4DPSK with nonselective Rayleigh fading, diversity reception, and correlated Gaussian interference. <i>IEEE Transactions on Communications</i> , 1997 , 45, 400-403	6.9	9
36	Efficient estimation of continuous phase modulation with unknown carrier phase. <i>IEEE Transactions on Communications</i> , 1997 , 45, 765-767	6.9	1
35	Steady-state variance analysis of adaptive, digital, coherent MPSK receiver. <i>Electronics Letters</i> , 1997 , 33, 1603	1.1	
34	Adaptive Viterbi estimation of MPSK sequences over a Rayleigh fading channel. <i>Electronics Letters</i> , 1995 , 31, 2142-2143	1.1	1
33	Performance of BPSK with open-loop tanlock carrier recovery. <i>Electronics Letters</i> , 1995 , 31, 349-350	1.1	1
32	. <i>IEEE Transactions on Communications</i> , 1995 , 43, 2050-2059	6.9	7
31	. <i>IEEE Transactions on Communications</i> , 1995 , 43, 2429-2433	6.9	8
30	Further results on the bit error probabilities of MDPSK over the nonselective Rayleigh fading channel with diversity reception. <i>IEEE Transactions on Communications</i> , 1995 , 43, 2732-2741	6.9	7
29	Bit-error probability of QPSK with noisy phase reference. <i>IET Communications</i> , 1995 , 142, 292		21
28	FSK detection using frequency estimator. <i>Electronics Letters</i> , 1995 , 31, 1631-1632	1.1	0
27	Tanlock carrier phase recovery without a divider and VCO. <i>Electronics Letters</i> , 1994 , 30, 1923-1924	1.1	2
26	Differential detection of DPSK with frequency offset compensation. <i>Electronics Letters</i> , 1994 , 30, 9-10	1.1	2
25	Coherent detection of MPSK via efficient block estimation. <i>Electronics Letters</i> , 1994 , 30, 184-185	1.1	3
24	. <i>IEEE Transactions on Communications</i> , 1994 , 42, 2366-2369	6.9	5

23	. <i>IEEE Transactions on Communications</i> , 1994 , 42, 2543-2552	6.9	19
22	. <i>IEEE Transactions on Communications</i> , 1994 , 42, 3119-3128	6.9	8
21	Adaptive reception of MPSK on fading channels. <i>Electronics Letters</i> , 1994 , 30, 1022-1023	1.1	3
20	. <i>IEEE Transactions on Communications</i> , 1993 , 41, 817-819	6.9	1
19	. <i>IEEE Transactions on Communications</i> , 1993 , 41, 1020-1022	6.9	28
18	Frequency offset estimation via planar extended Kalman filter. <i>Electronics Letters</i> , 1993 , 29, 1473	1.1	2
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